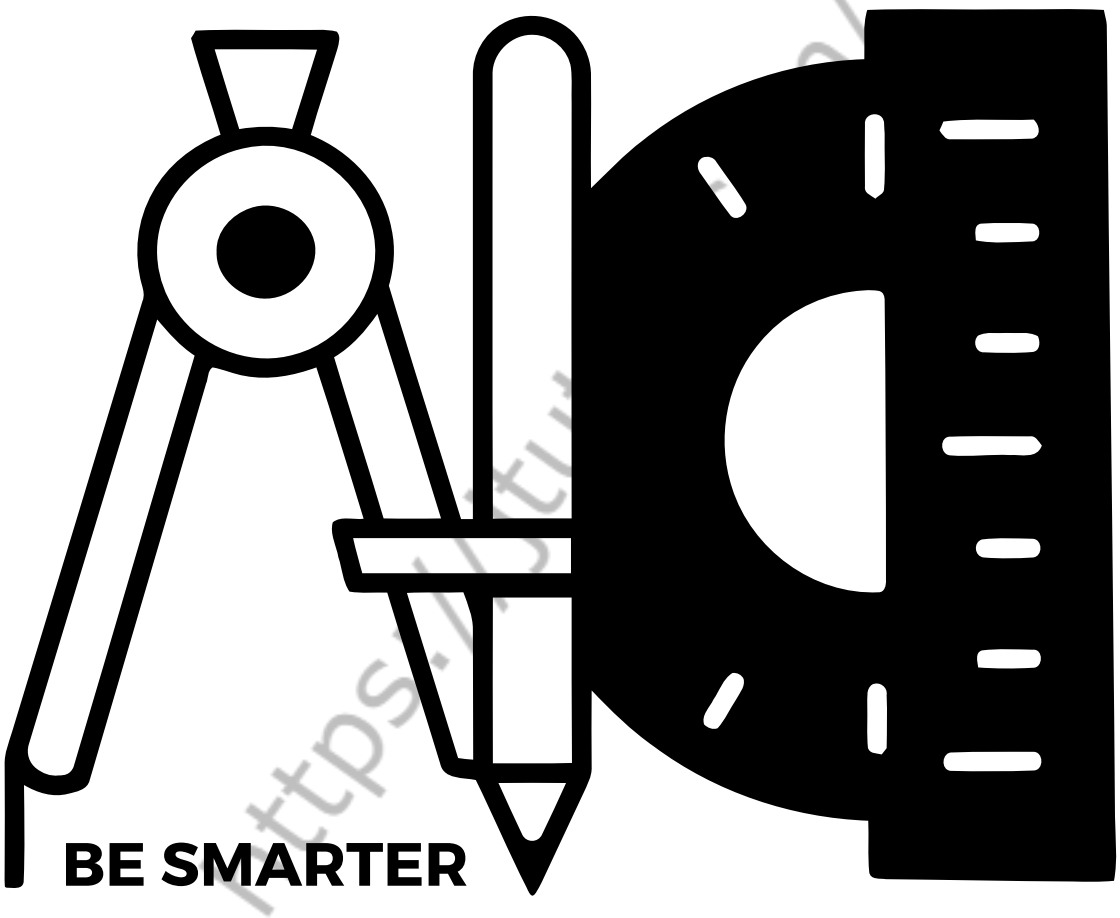
J-TUTES



YEAR 6 WORKBOOK

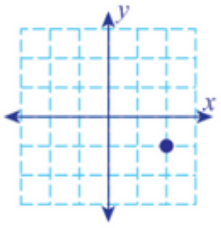
TERM 4 SYLLABUS

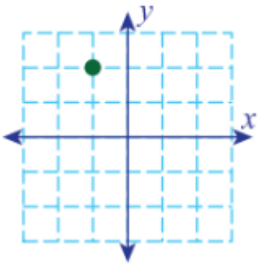
CHAPTER 1 - ROTATION

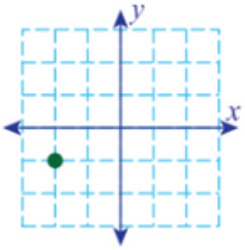
CHAPTER 1 - ROTATION

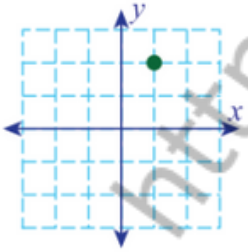
Multiple Choice

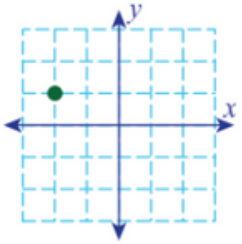
1) What will be the new position of the given point after rotating 180° about the origin?



a) 

b) 

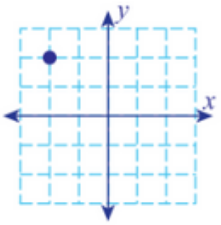
c) 

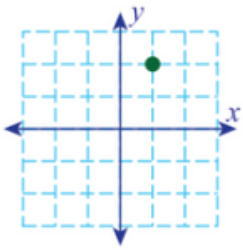
d) 

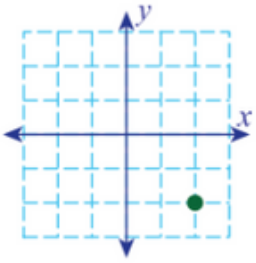
CHAPTER 1 - ROTATION

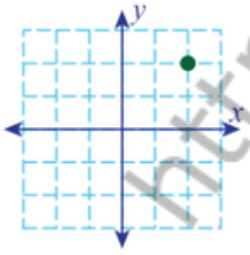
Multiple Choice

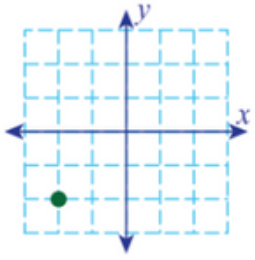
2) What will be the new position of the given point after rotating 90° clockwise about the origin?



a) 

b) 

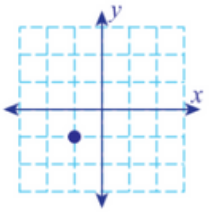
c) 

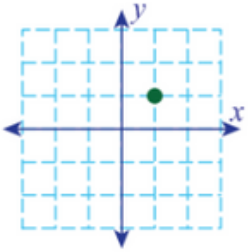
d) 

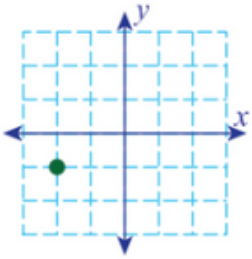
CHAPTER 1 - ROTATION

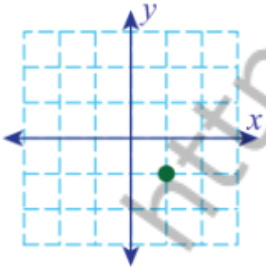
Multiple Choice

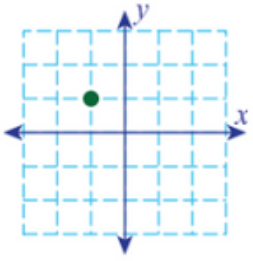
3) What will be the new position of the given point after rotating 180° about the origin?



a) 

b) 

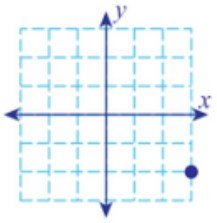
c) 

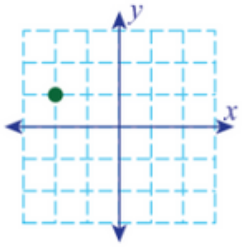
d) 

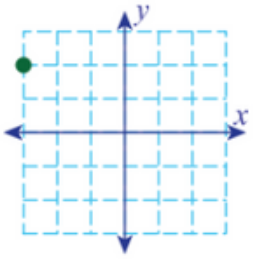
CHAPTER 1 - ROTATION

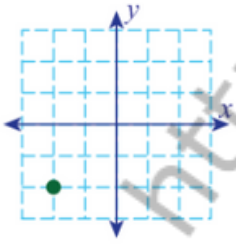
Multiple Choice

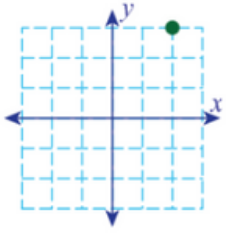
4) What will be the new position of the given point after rotating 90° counterclockwise about the origin?



a) 

b) 

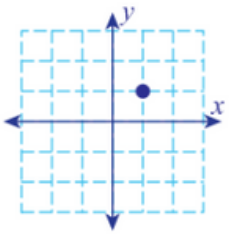
c) 

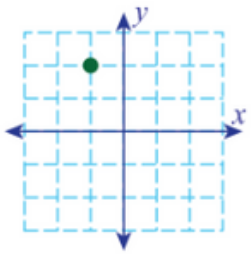
d) 

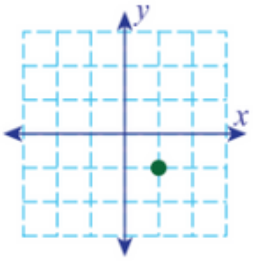
CHAPTER 1 - ROTATION

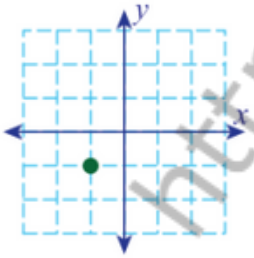
Multiple Choice

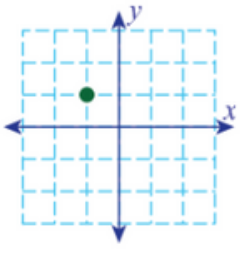
5) What will be the new position of the given point after rotating 90° clockwise about the origin?



a) 

b) 

c) 

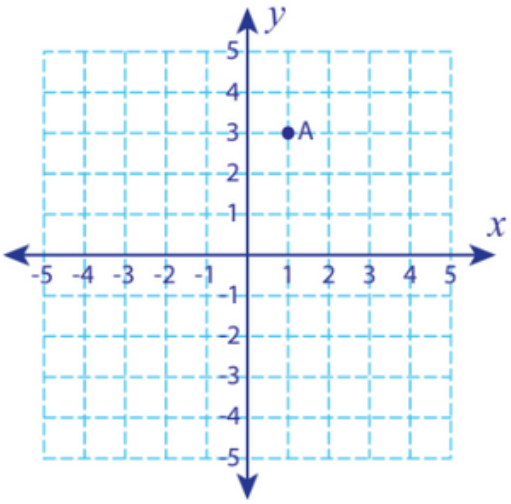
d) 

CHAPTER 1 - ROTATION

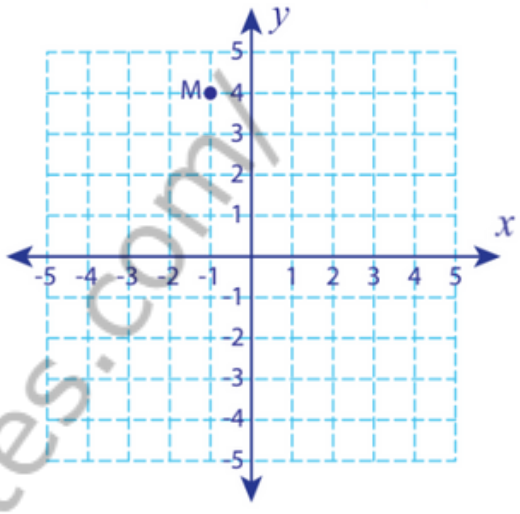
Rotate the point

Graph the new position of each point after rotating it about the origin.

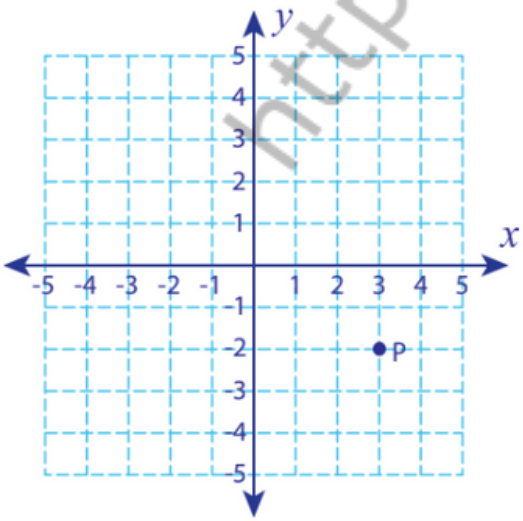
1) 90° clockwise rotation



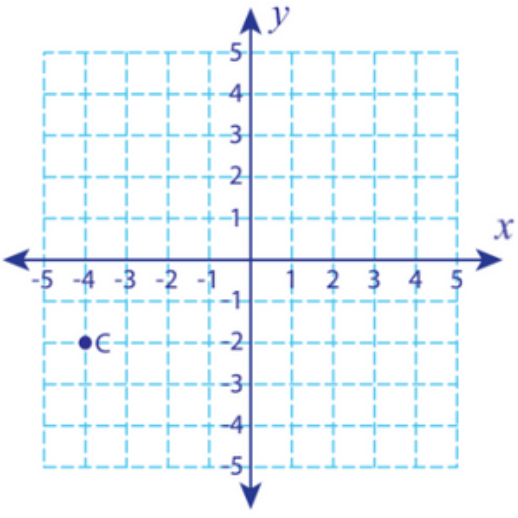
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

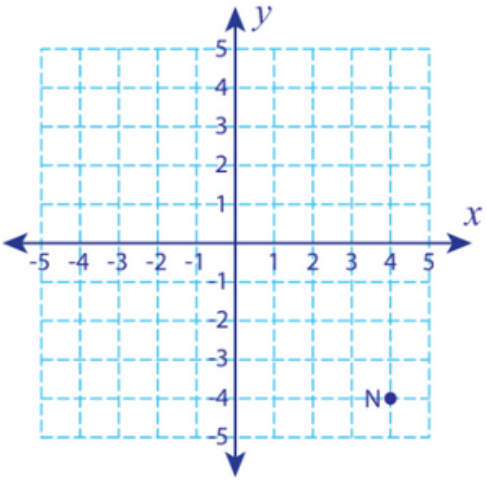


CHAPTER 1 - ROTATION

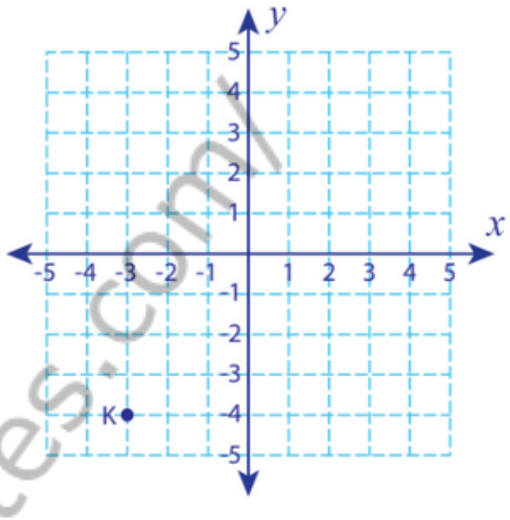
Rotate the point

Graph the new position of each point after rotating it about the origin.

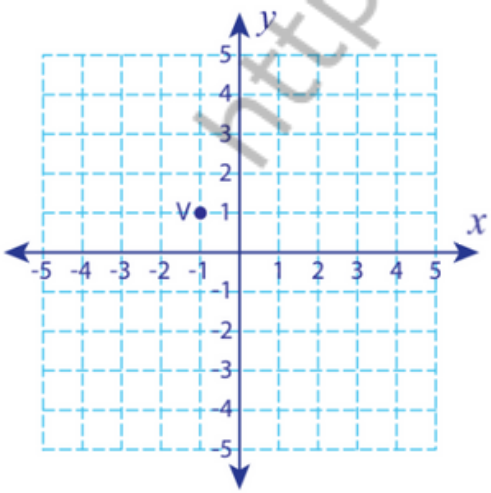
1) 90° clockwise rotation



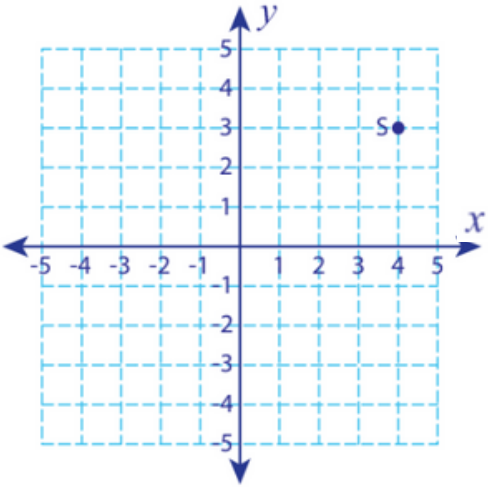
2) 180° rotation



3) 90° counterclockwise rotation



4) 180° rotation

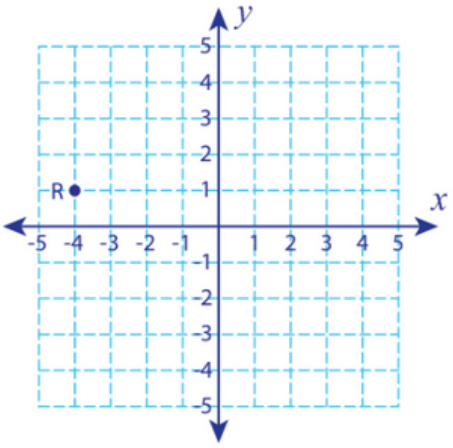


CHAPTER 1 - ROTATION

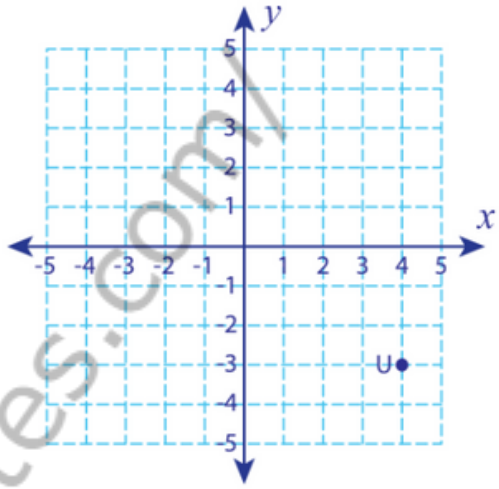
Rotate the point

Graph the new position of each point after rotating it about the origin.

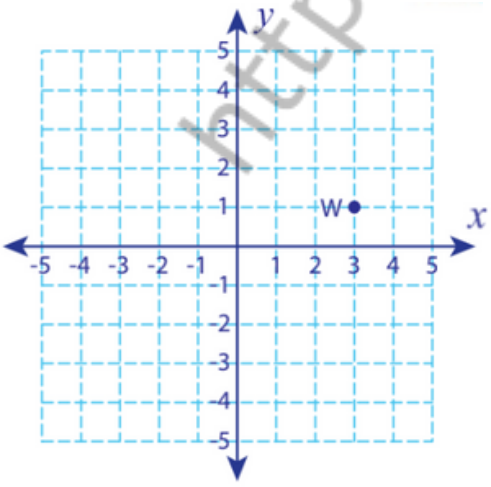
1) 90° clockwise rotation



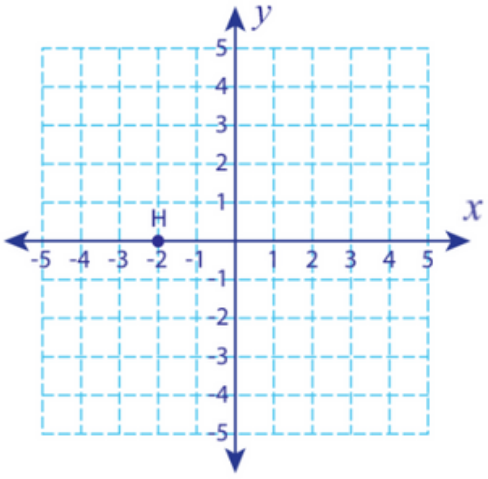
2) 180° rotation



3) 90° counterclockwise rotation



4) 180° rotation

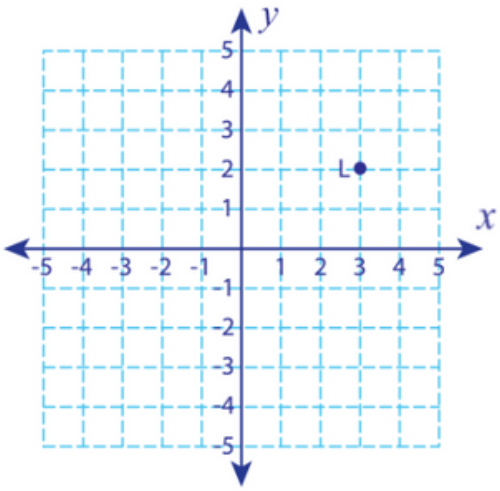


CHAPTER 1 - ROTATION

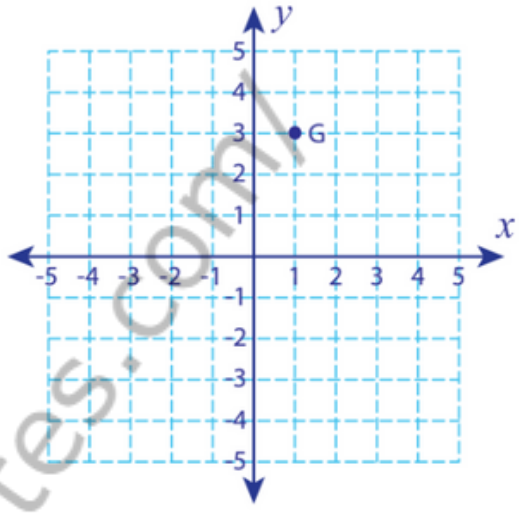
Rotate the point

Graph the new position of each point after rotating it about the origin.

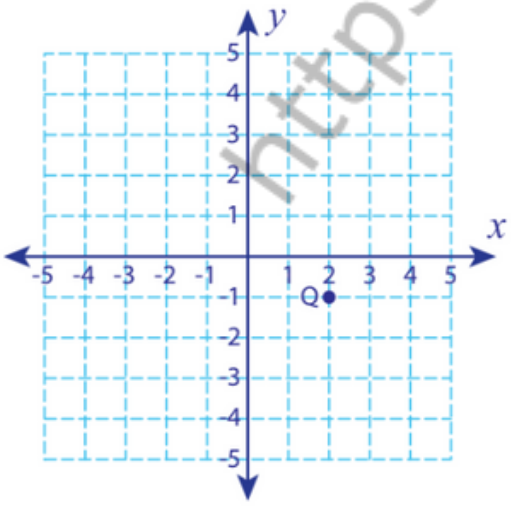
1) 90° clockwise rotation



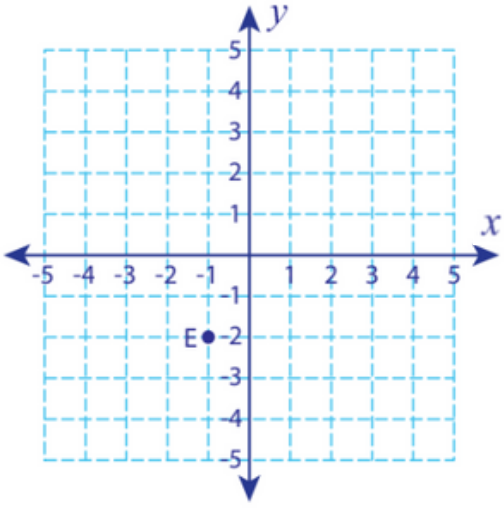
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° counterclockwise rotation

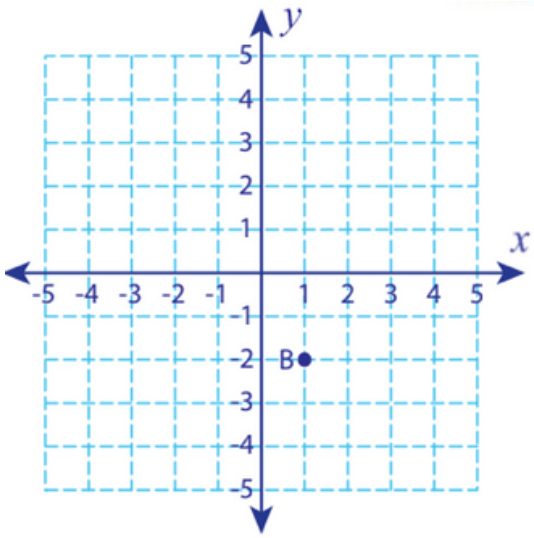


CHAPTER 1 - ROTATION

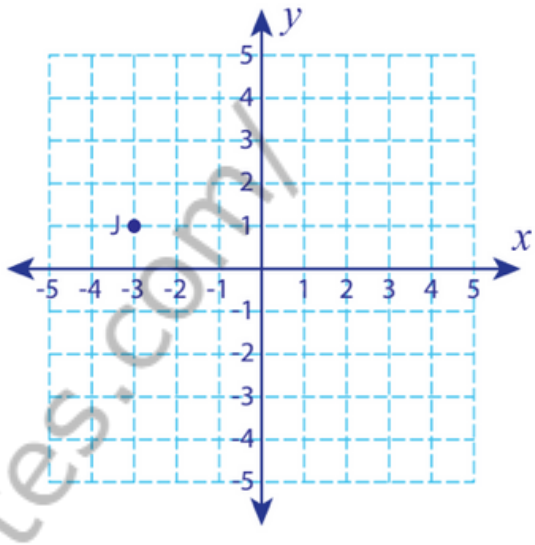
Rotate the point

Graph the new position of each point after rotating it about the origin.

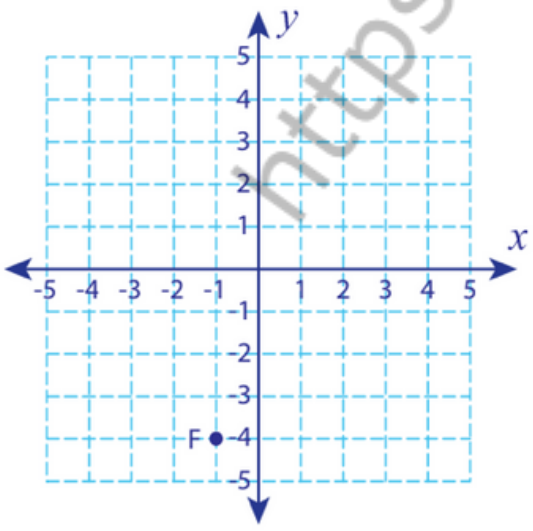
1) 90° clockwise rotation



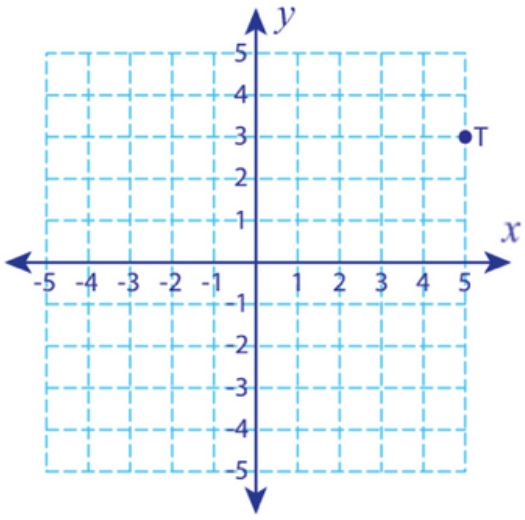
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° counterclockwise rotation

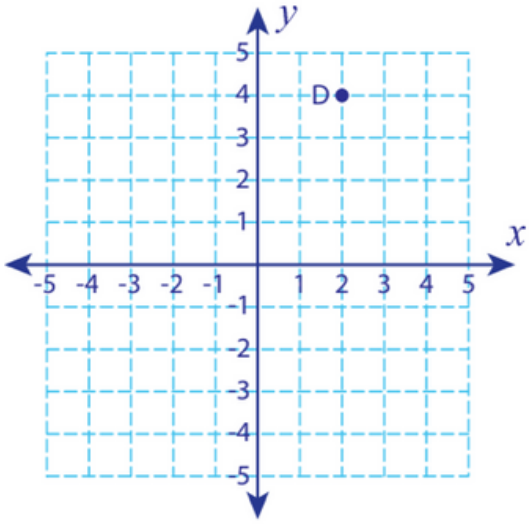


CHAPTER 1 - ROTATION

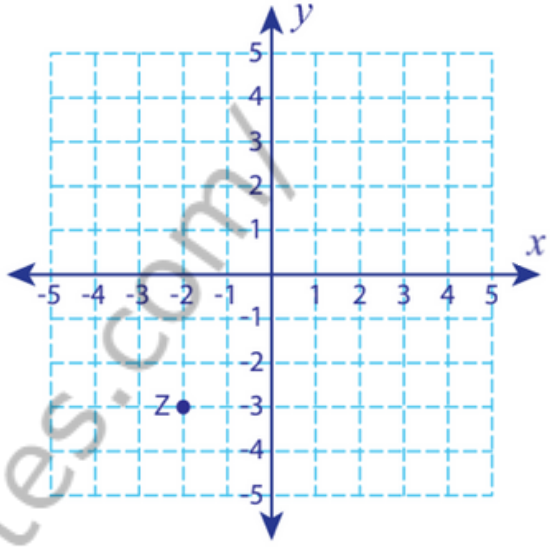
Rotate the point

Graph the new position of each point after rotating it about the origin.

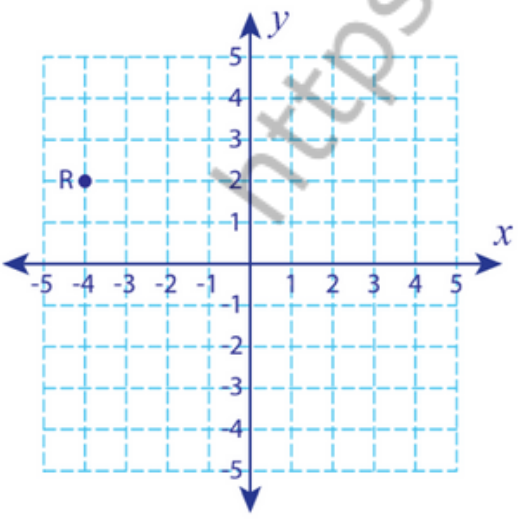
1) 90° clockwise rotation



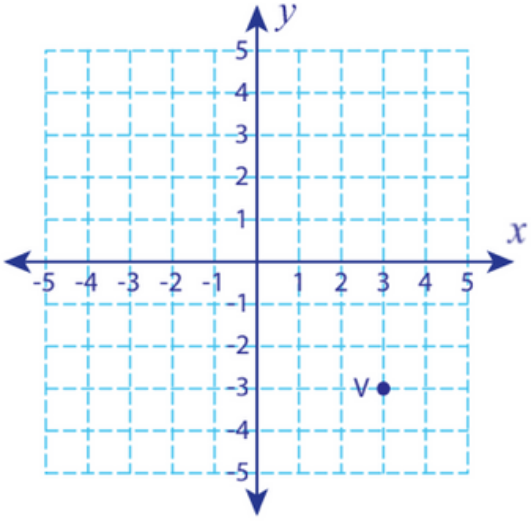
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

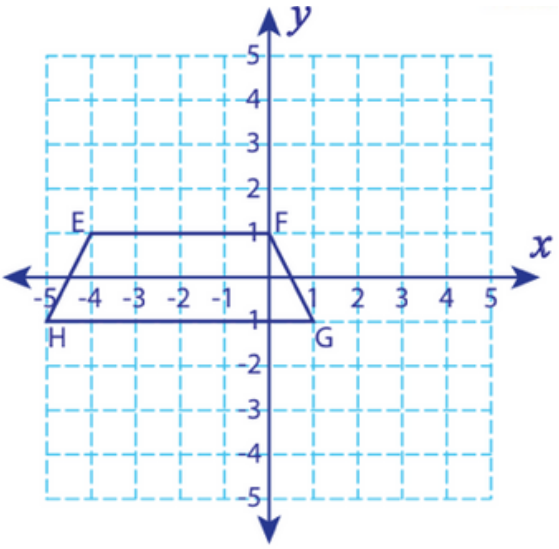


CHAPTER 1 - ROTATION

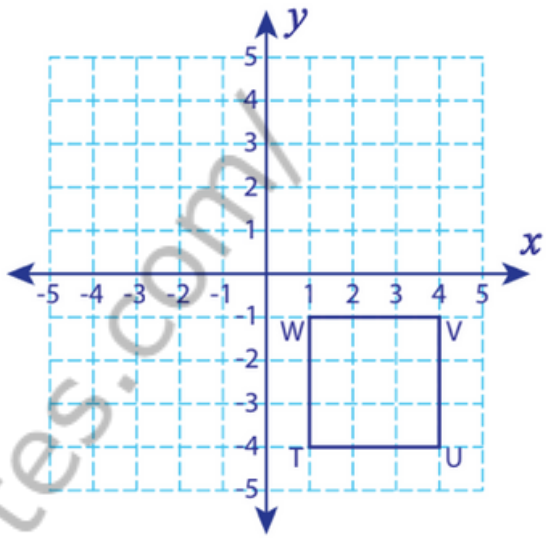
Rotate the Quadrilaterals

Graph the image of each quadrilateral after rotating it about the origin.

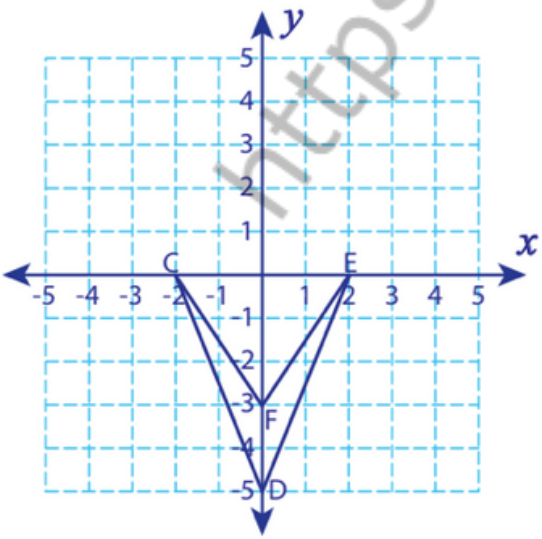
1) 90° clockwise rotation



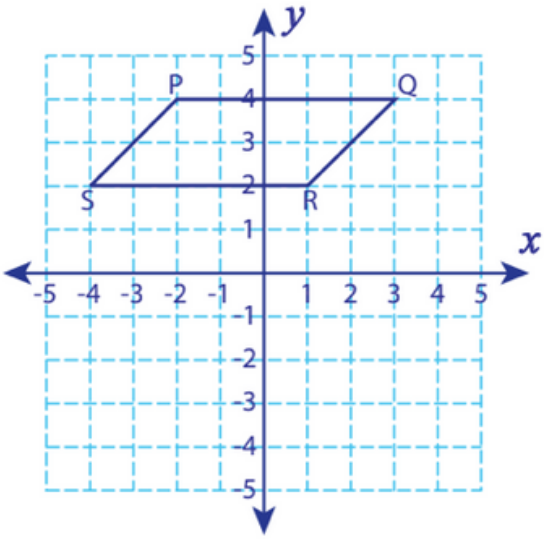
2) 180° rotation



3) 90° counterclockwise rotation



4) 180° rotation

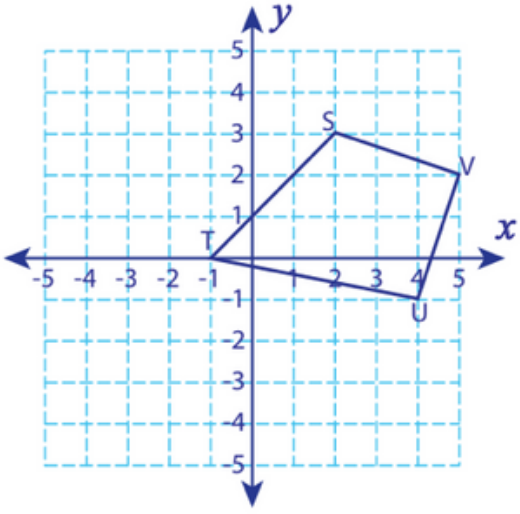


CHAPTER 1 - ROTATION

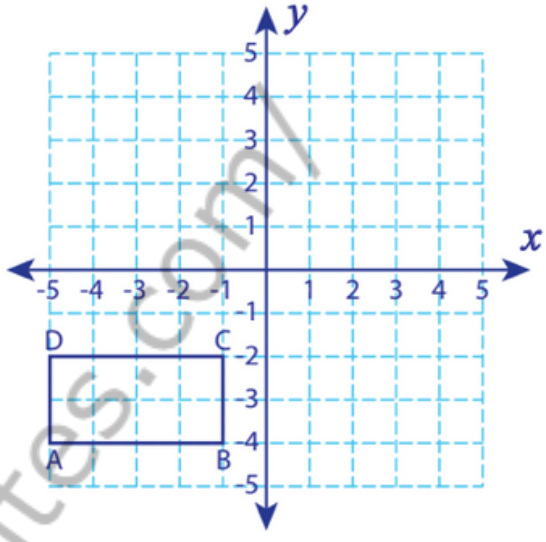
Rotate the Quadrilaterals

Graph the image of each quadrilateral after rotating it about the origin.

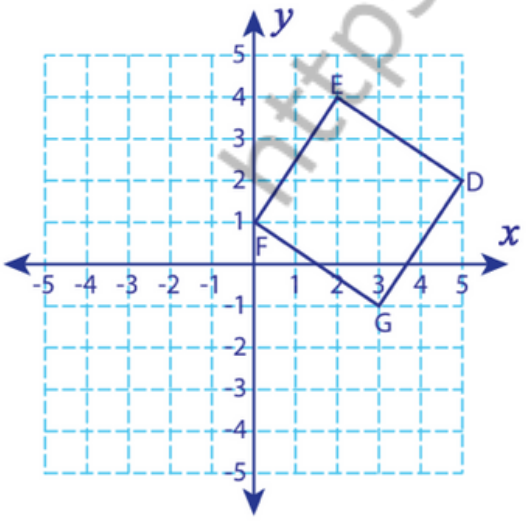
1) 90° clockwise rotation



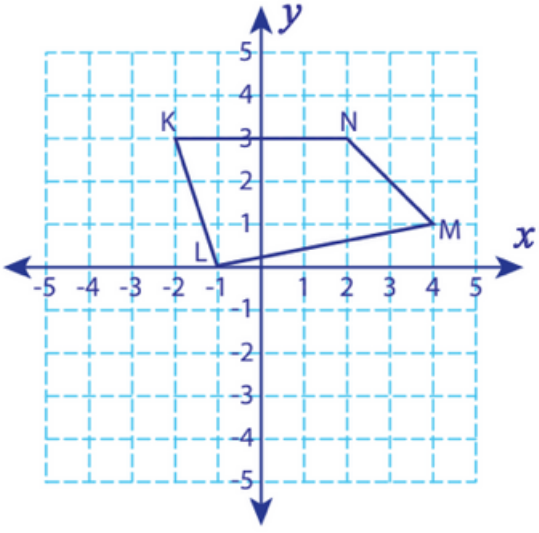
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

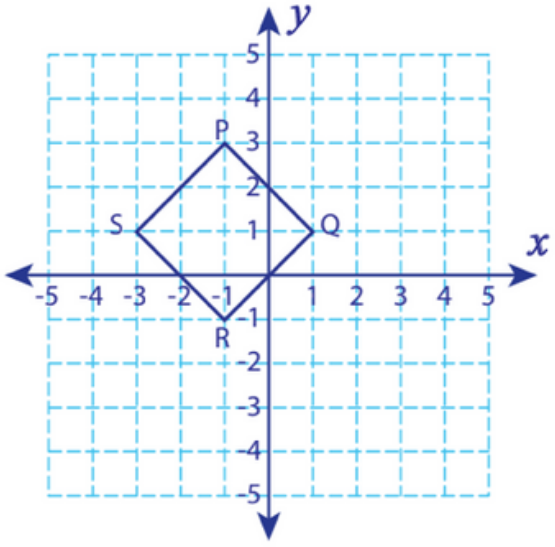


CHAPTER 1 - ROTATION

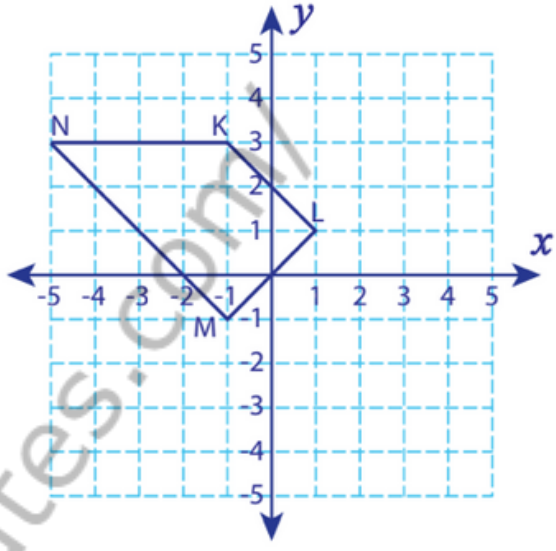
Rotate the Quadrilaterals

Graph the image of each quadrilateral after rotating it about the origin.

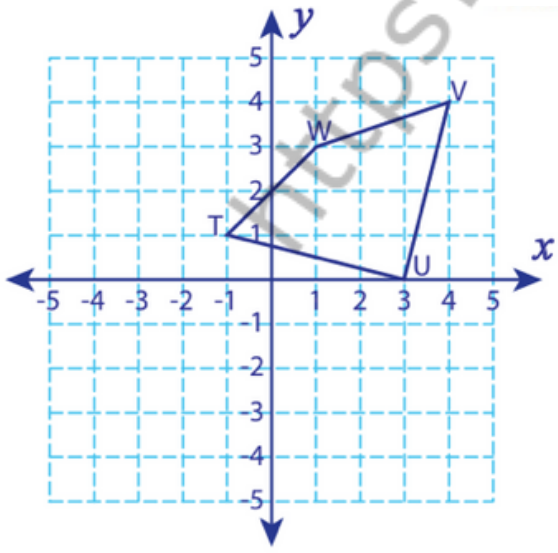
1) 90° clockwise rotation



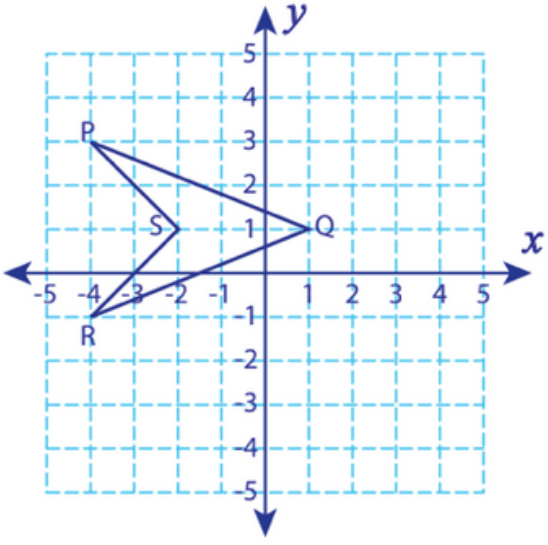
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

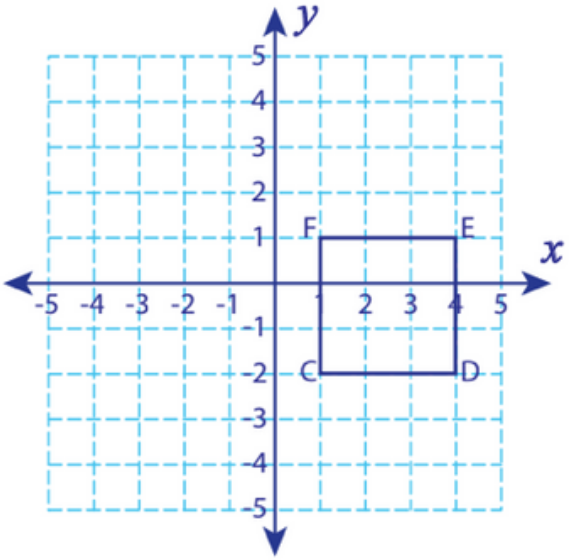


CHAPTER 1 - ROTATION

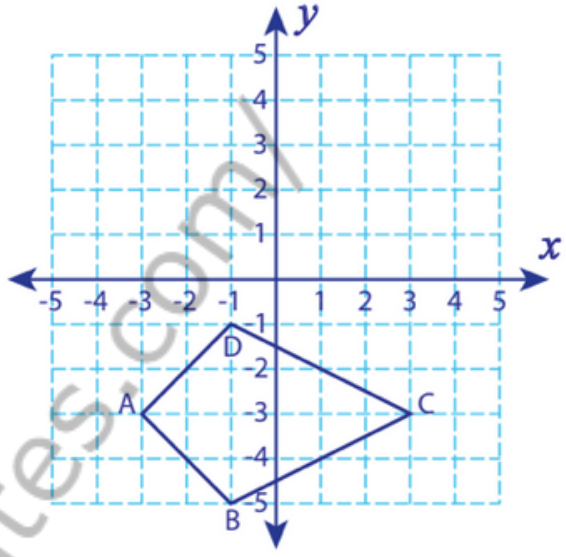
Rotate the Quadrilaterals

Graph the image of each quadrilateral after rotating it about the origin.

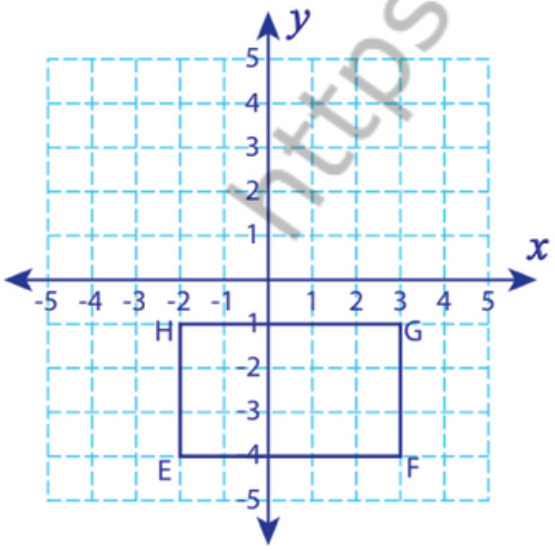
1) 90° clockwise rotation



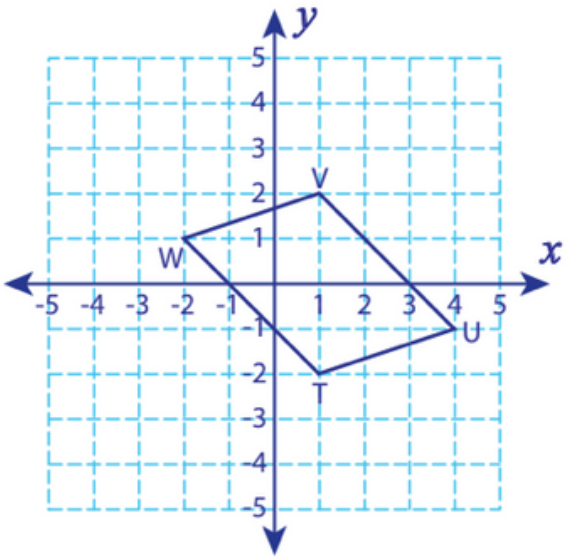
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° counterclockwise rotation

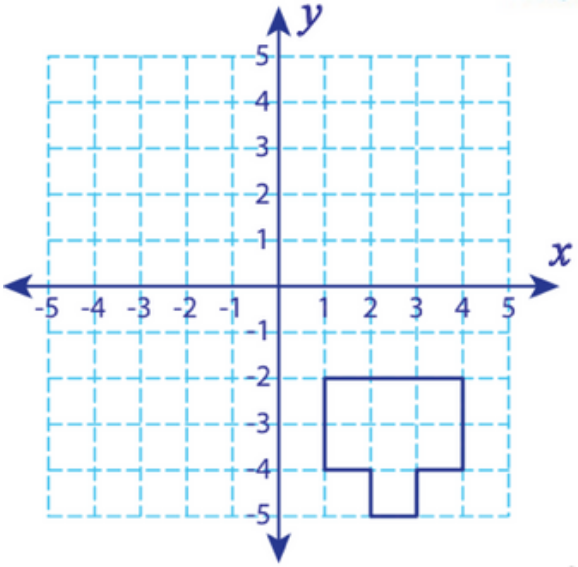


CHAPTER 1 - ROTATION

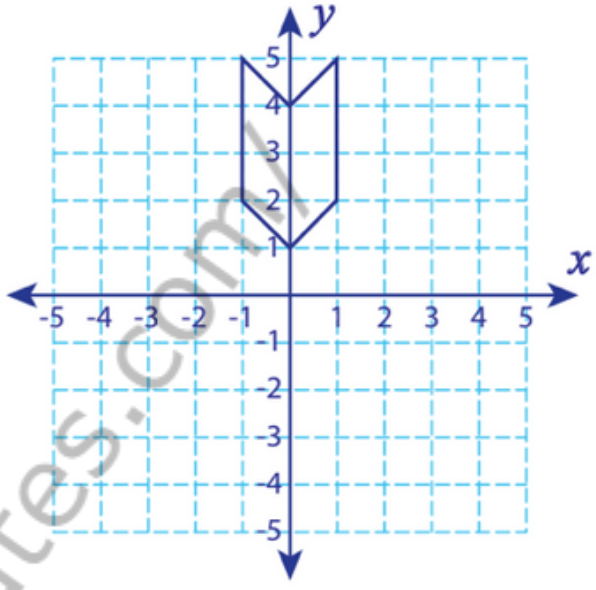
Rotate the Shape

Graph the image of each shape after rotating it about the origin.

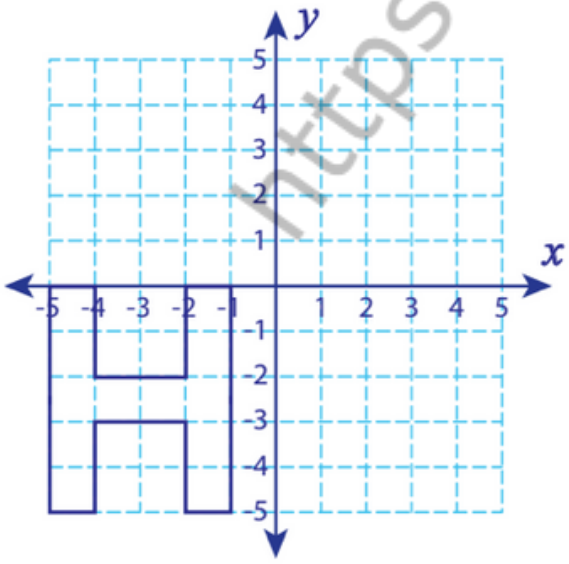
1) 90° clockwise rotation



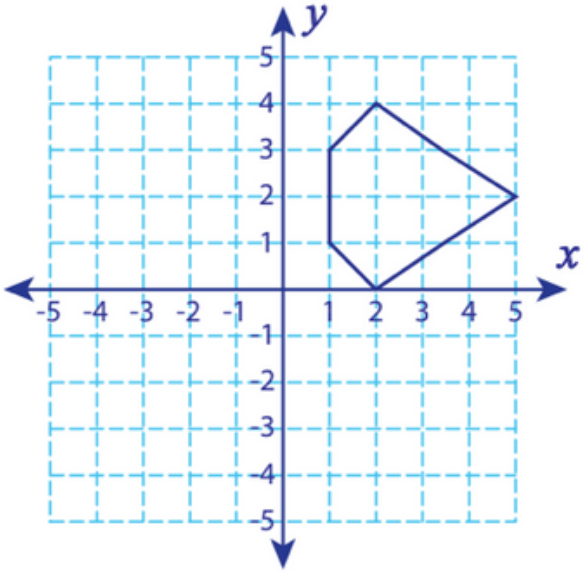
2) 180° rotation



3) 90° counterclockwise rotation



4) 180° rotation

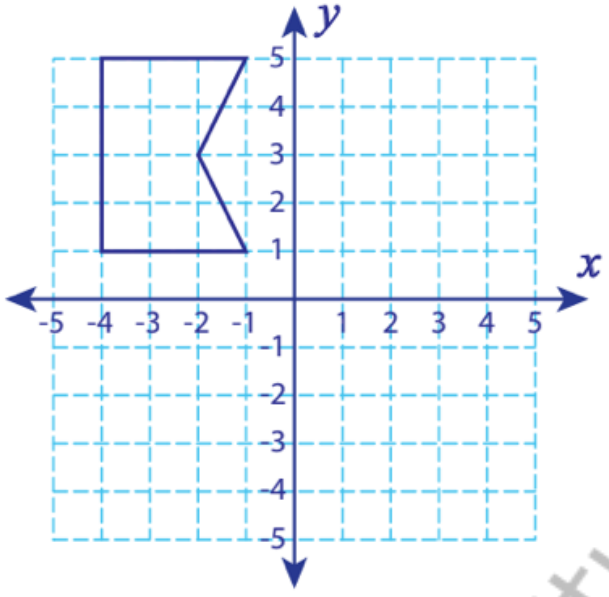


CHAPTER 1 - ROTATION

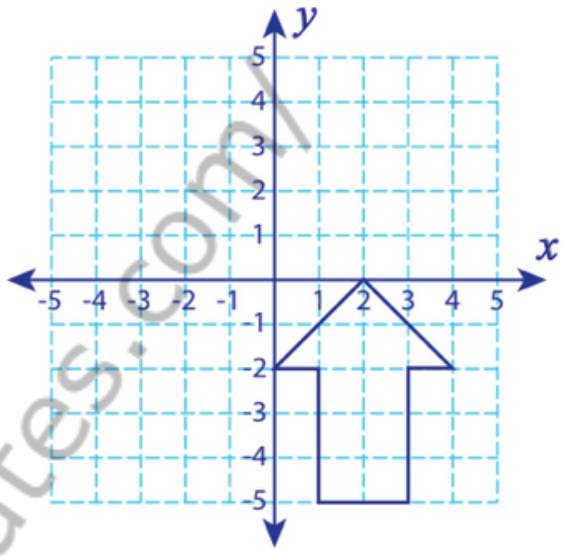
Rotate the Shapes

Graph the image of each shape after rotating it about the origin.

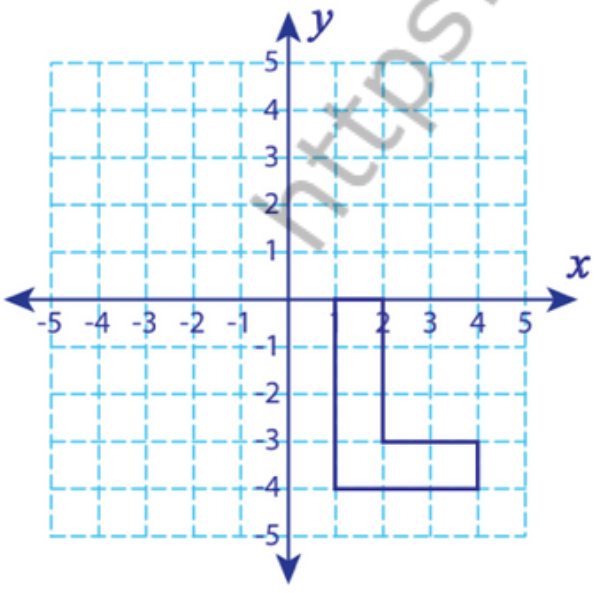
1) 90° clockwise rotation



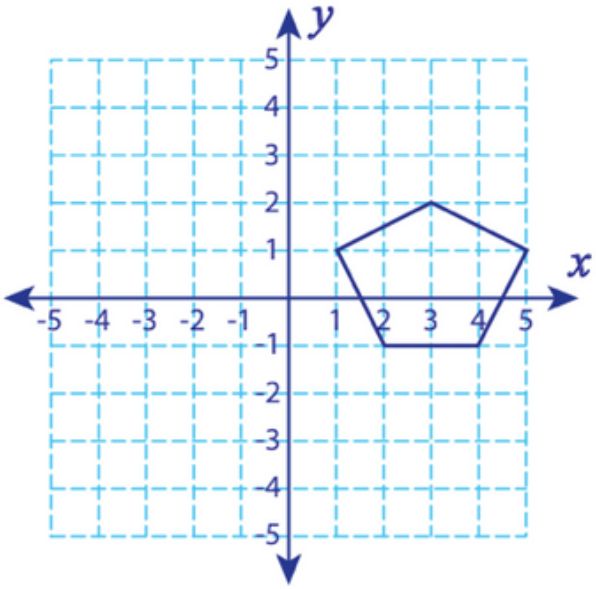
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

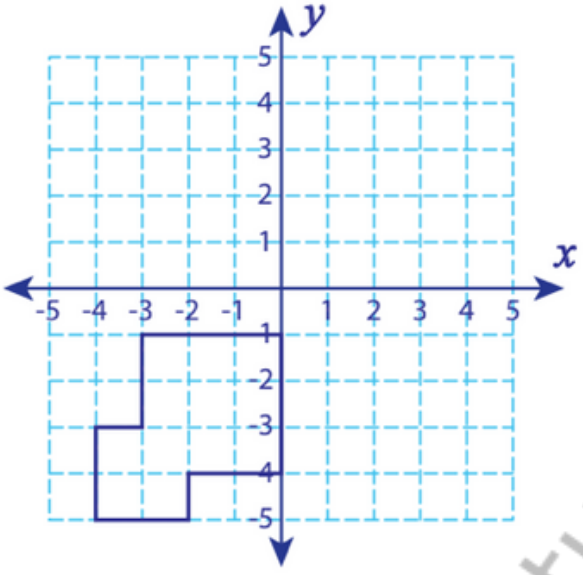


CHAPTER 1 - ROTATION

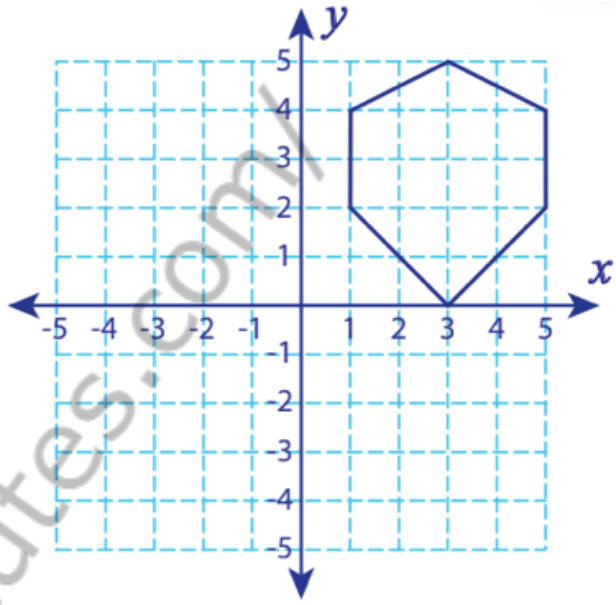
Rotate the Shapes

Graph the image of each shape after rotating it about the origin.

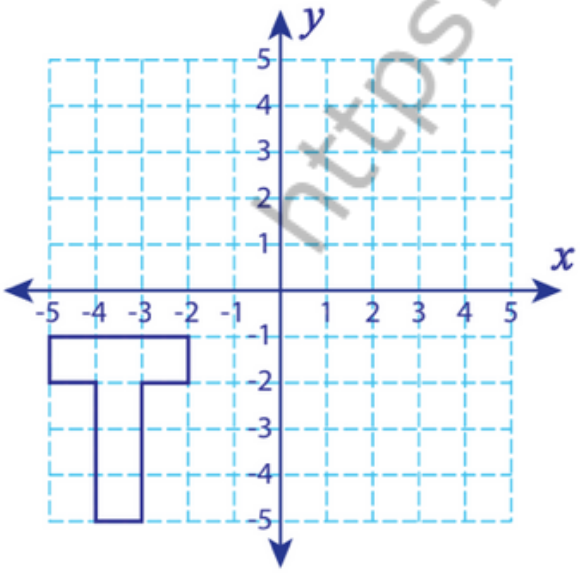
1) 90° counterclockwise rotation



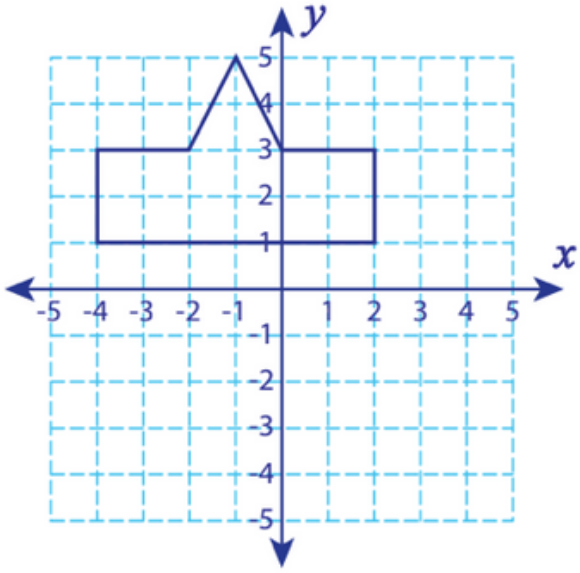
2) 180° rotation



3) 90° counterclockwise rotation



4) 90° clockwise rotation

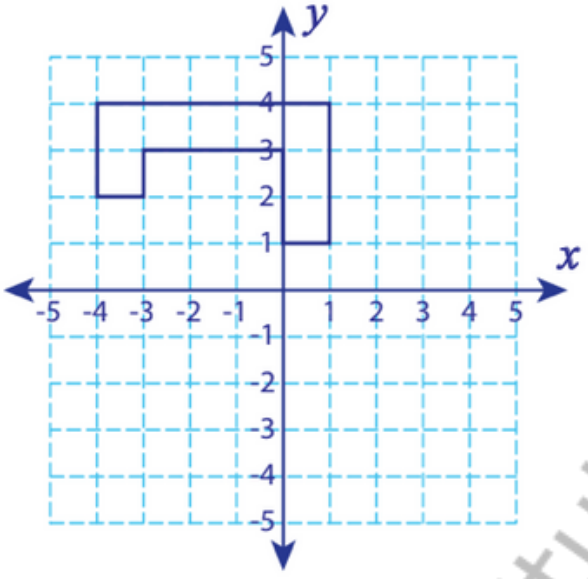


CHAPTER 1 - ROTATION

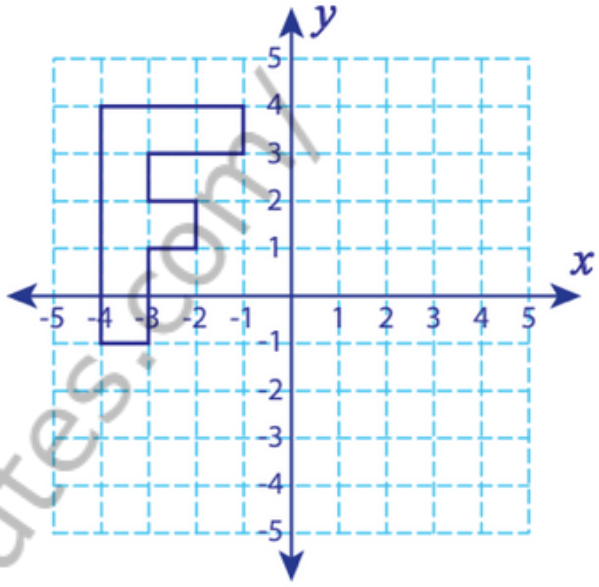
Rotate the Shapes

Graph the image of each shape after rotating it about the origin.

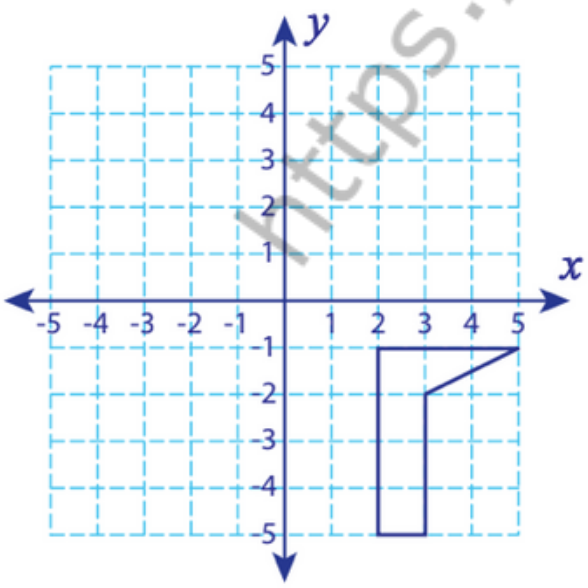
1) 90° counterclockwise rotation



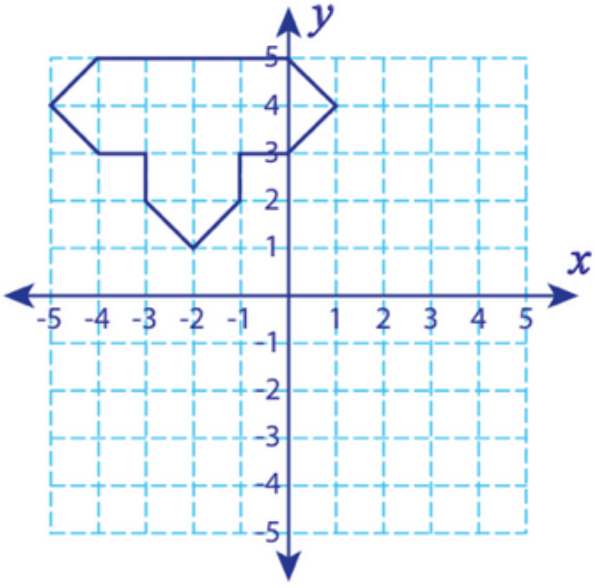
2) 180° rotation



3) 180° rotation



4) 90° clockwise rotation

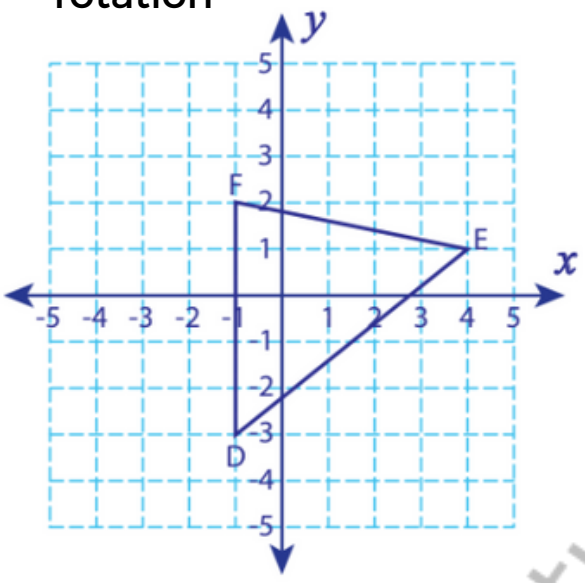


CHAPTER 1 - ROTATION

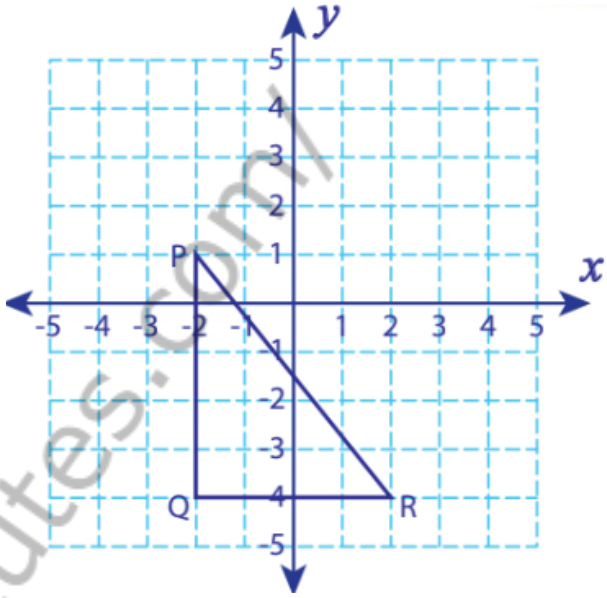
Rotate the Triangles

Graph the image of each triangle after rotating it about the origin.

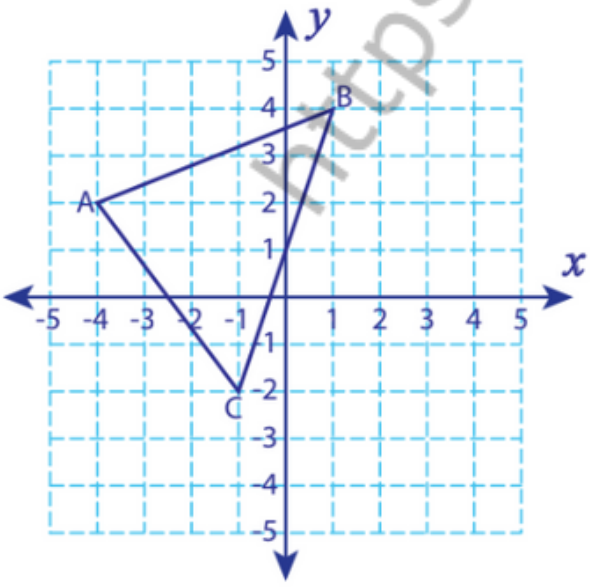
1) 90° counterclockwise rotation



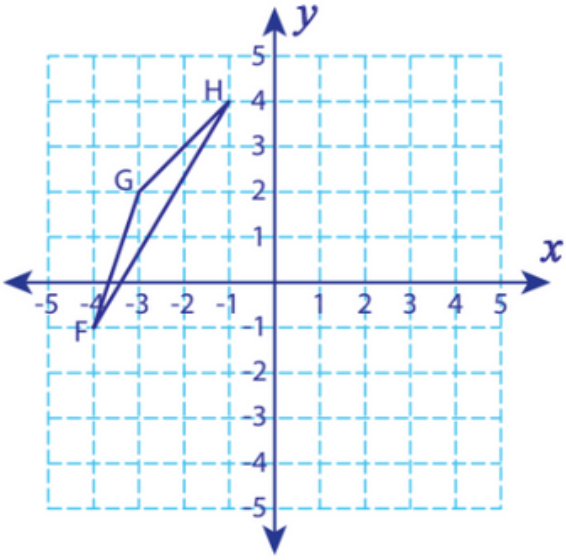
2) 180° rotation



3) 90° clockwise rotation



4) 90° clockwise rotation

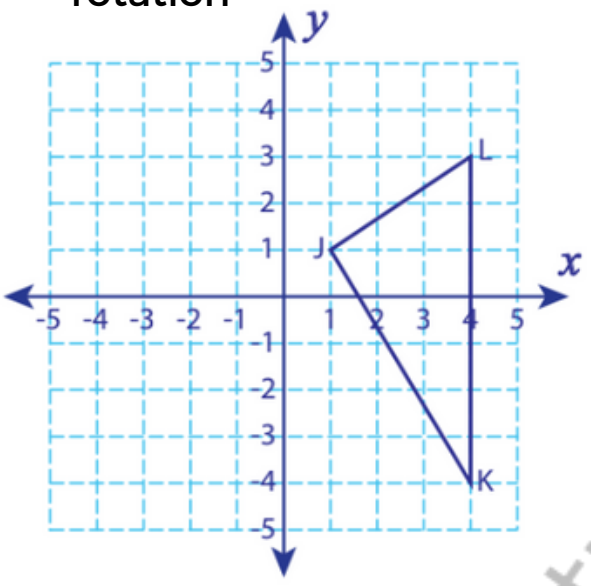


CHAPTER 1 - ROTATION

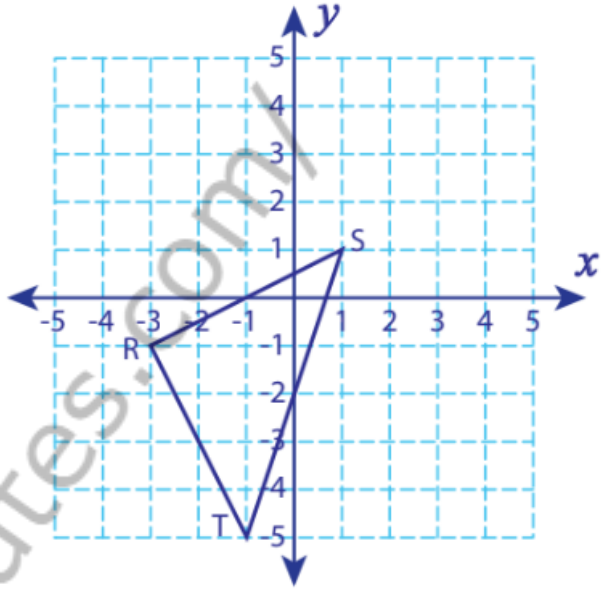
Rotate the Triangles

Graph the image of each triangle after rotating it about the origin.

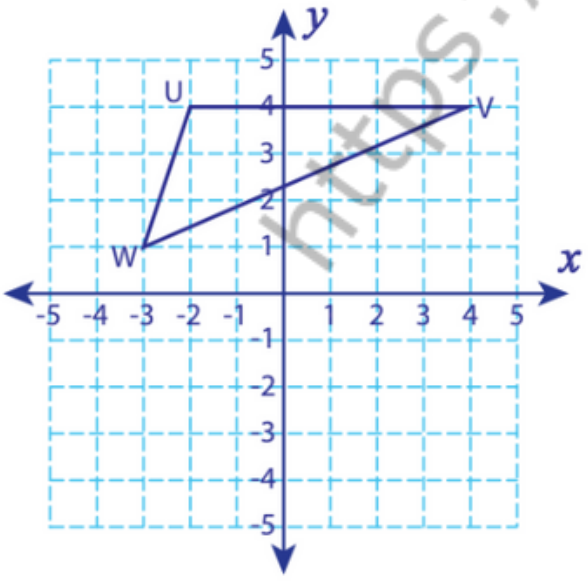
1) 90° counterclockwise rotation



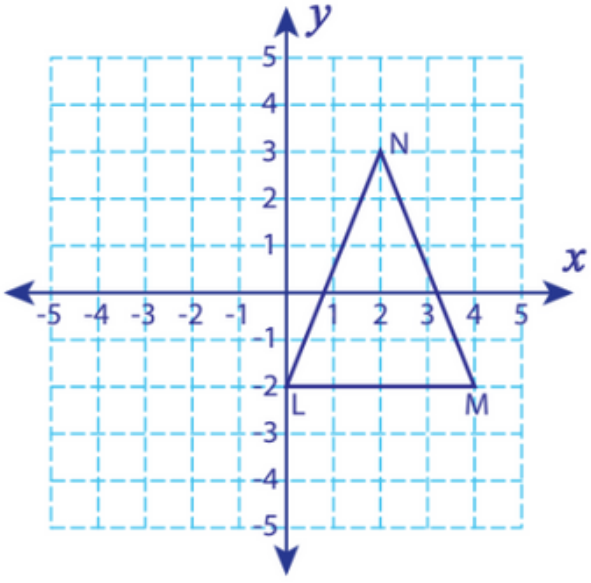
2) 180° rotation



3) 180° rotation



4) 90° clockwise rotation

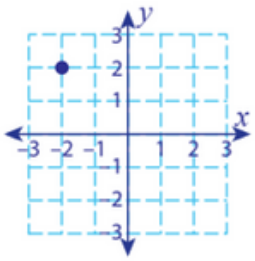


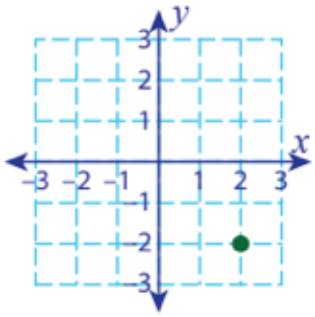
CHAPTER 2 - REFLECTION

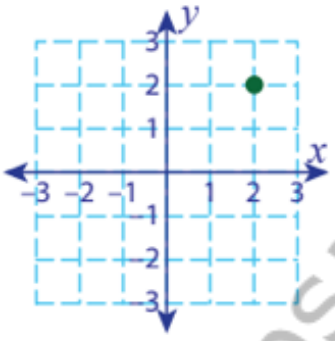
CHAPTER 2 - REFLECTION

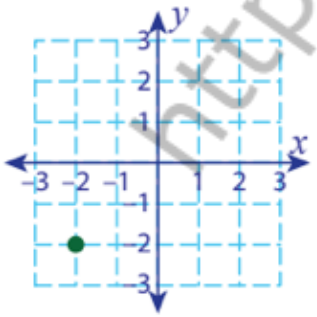
Multiple Choice

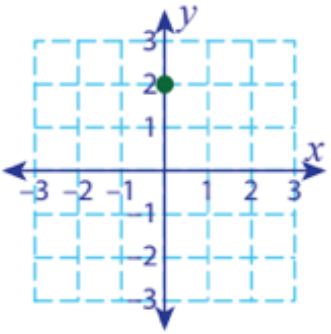
1) What will be the new position of the given point after reflection across the y-axis?



a) 

b) 

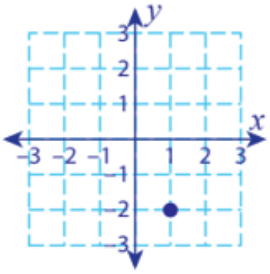
c) 

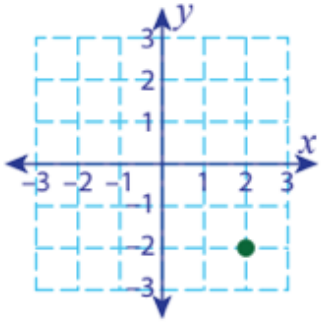
d) 

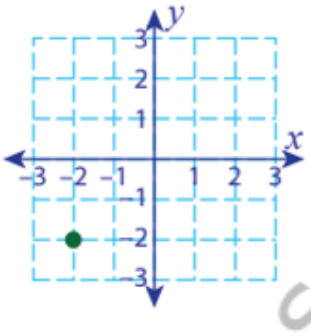
CHAPTER 2 - REFLECTION

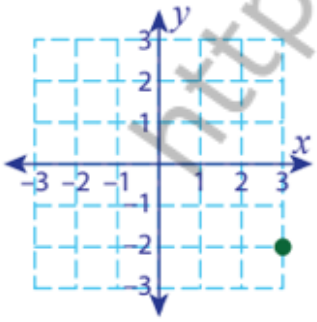
Multiple Choice

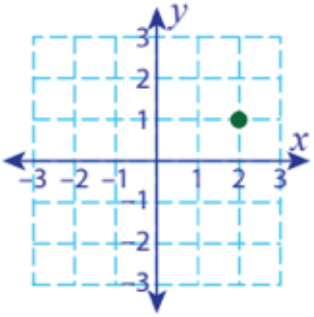
2) What will be the new position of the given point after reflection across the line x = 2?



a) 

b) 

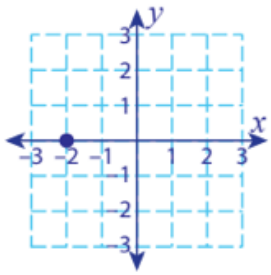
c) 

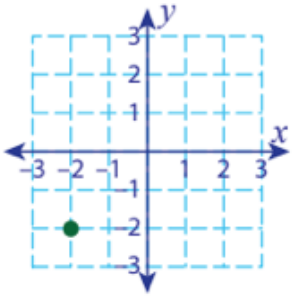
d) 

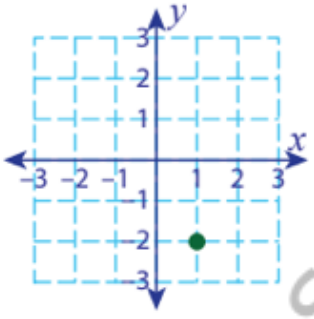
CHAPTER 2 - REFLECTION

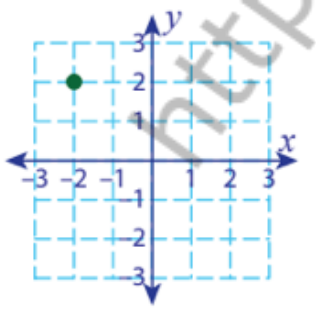
Multiple Choice

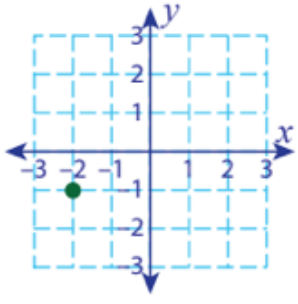
3) What will be the new position of the given point after reflection across the line y = -1?



a) 

b) 

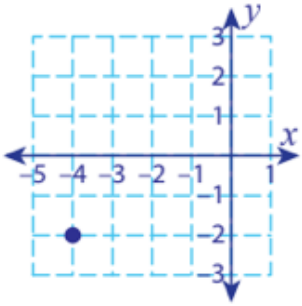
c) 

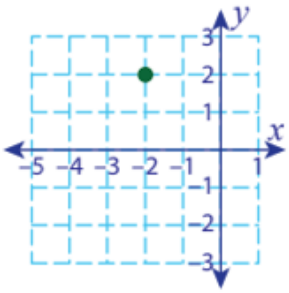
d) 

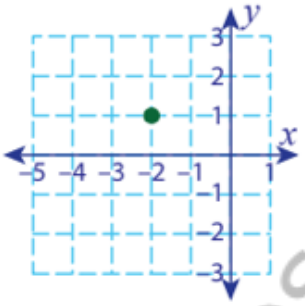
CHAPTER 2 - REFLECTION

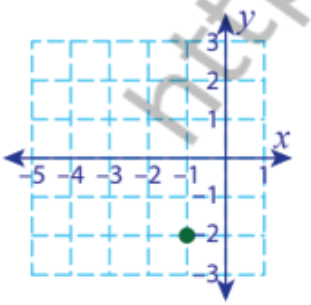
Multiple Choice

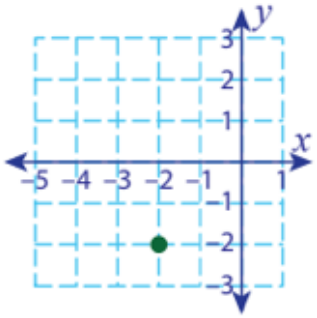
4) What will be the new position of the given point after reflection across the line x = -3?



a) 

b) 

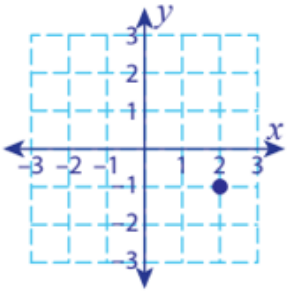
c) 

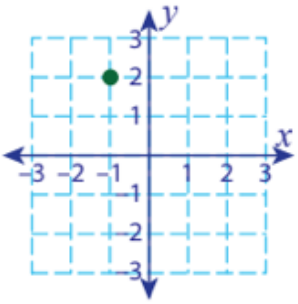
d) 

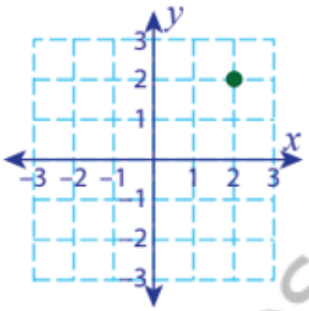
CHAPTER 2 - REFLECTION

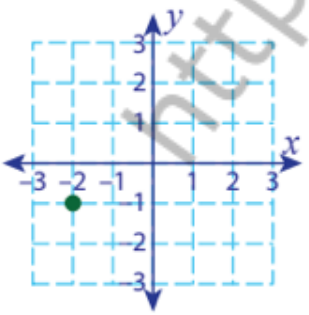
Multiple Choice

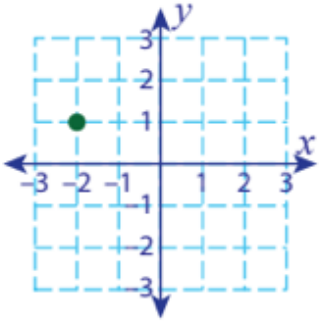
5) What will be the new position of the given point after reflection across the line y = x?



a) 

b) 

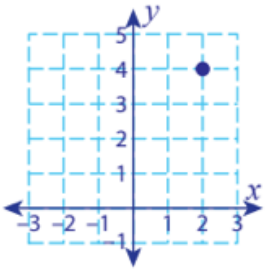
c) 

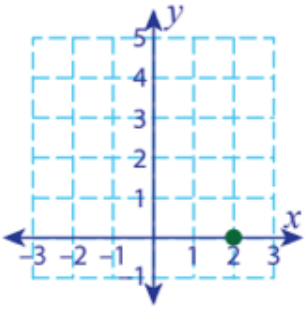
d) 

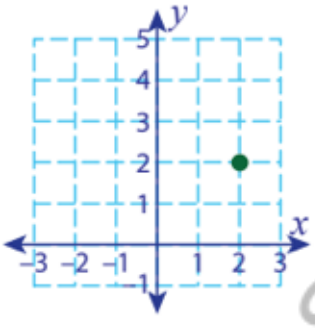
CHAPTER 2 - REFLECTION

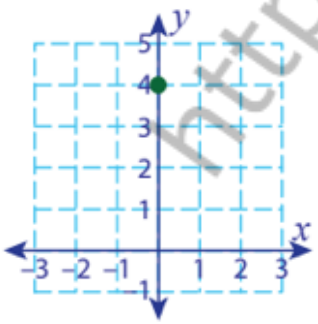
Multiple Choice

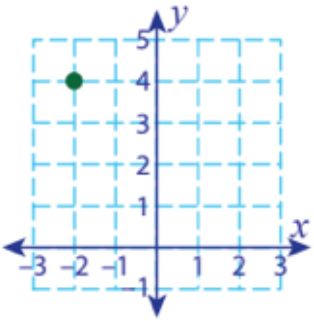
6) What will be the new position of the given point after reflection across the line y = 2?



a) 

b) 

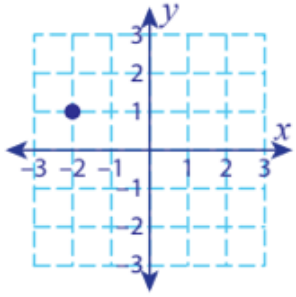
c) 

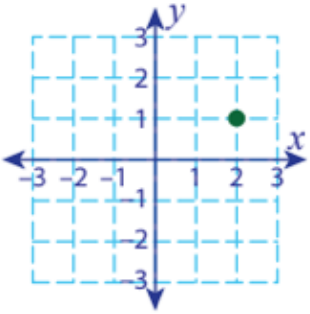
d) 

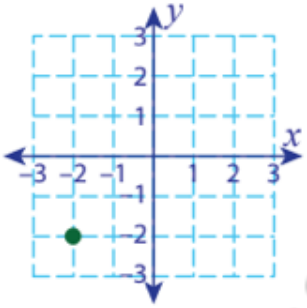
CHAPTER 2 - REFLECTION

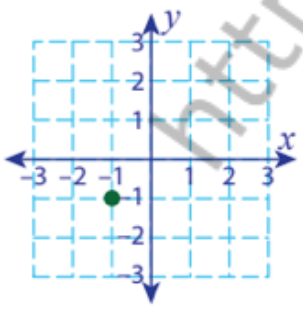
Multiple Choice

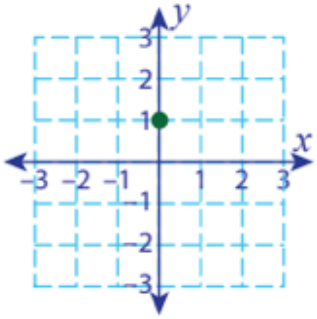
7) What will be the new position of the given point after reflection across the line x = -1?



a) 

b) 

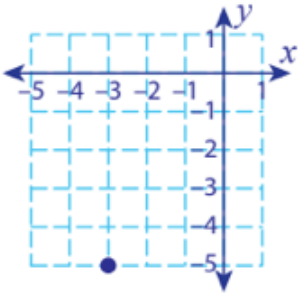
c) 

d) 

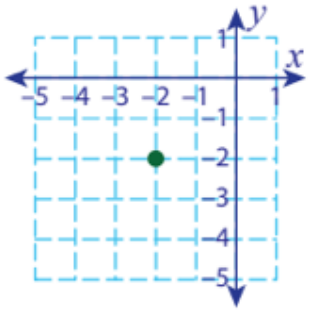
CHAPTER 2 - REFLECTION

Multiple Choice

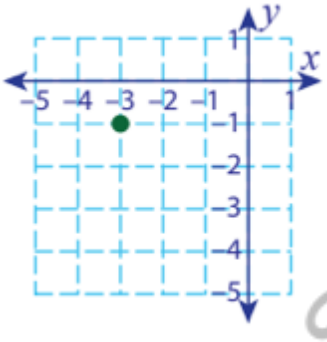
8) What will be the new position of the given point after reflection across the line y = -3?



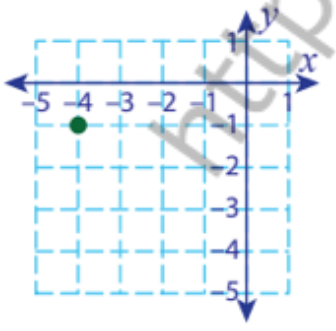
a)



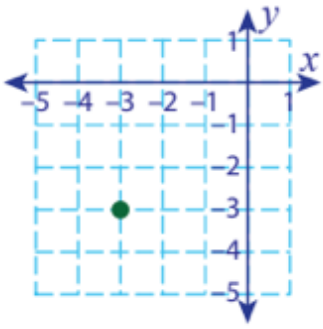
b)



c)



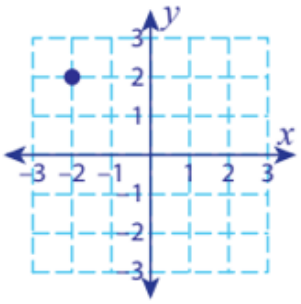
d)

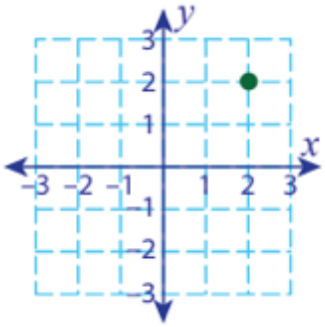


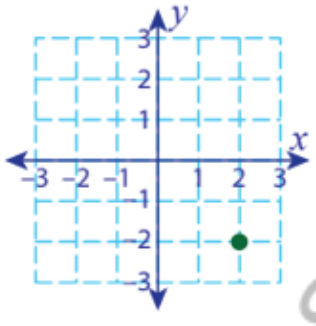
CHAPTER 2 - REFLECTION

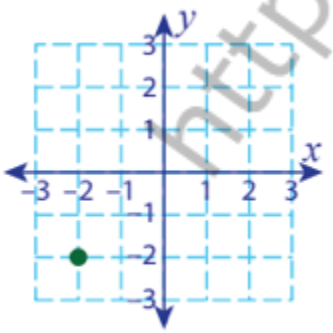
Multiple Choice

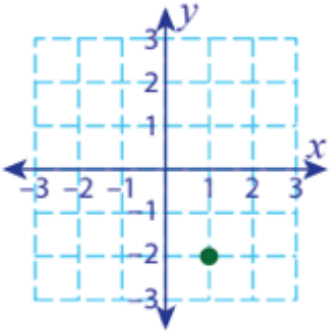
9) What will be the new position of the given point after reflection across the line x-axis?



a) 

b) 

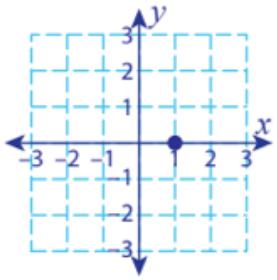
c) 

d) 

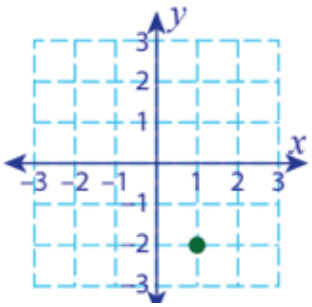
CHAPTER 2 - REFLECTION

Multiple Choice

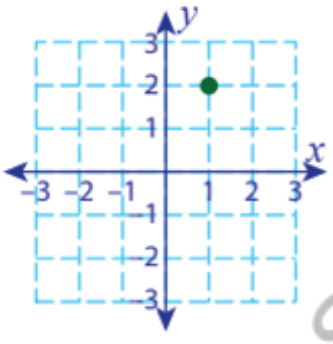
10) What will be the new position of the given point after reflection across the line y = 1?



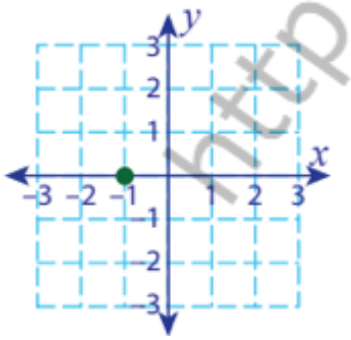
a)



b)



c)



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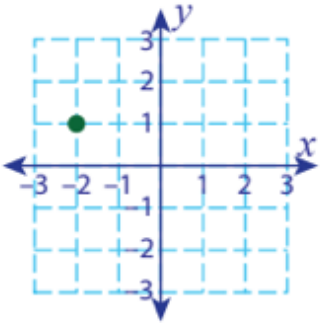
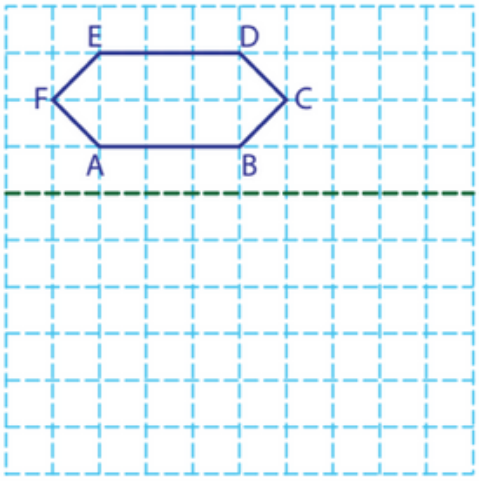


CHAPTER 2 - REFLECTION

Mirror Image

Graph the image of the given figure across the mirror line.

1)



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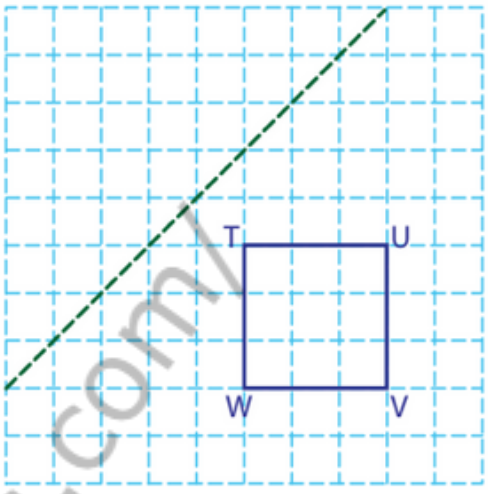

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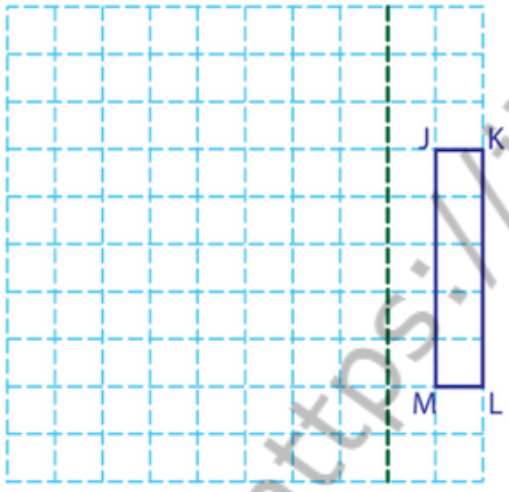
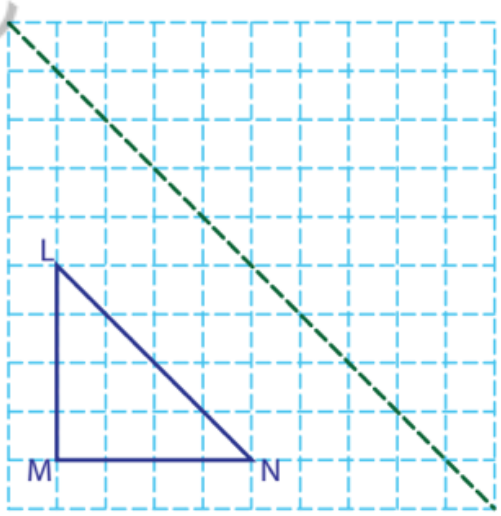
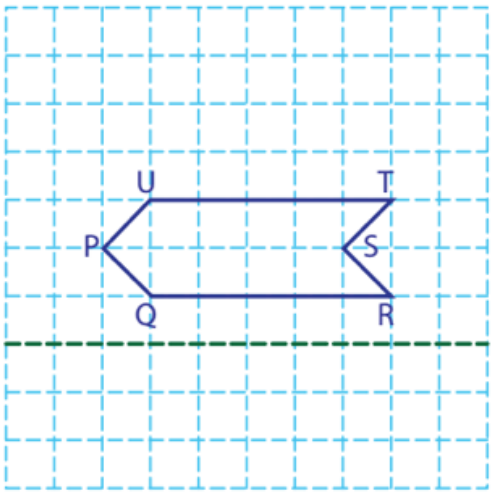


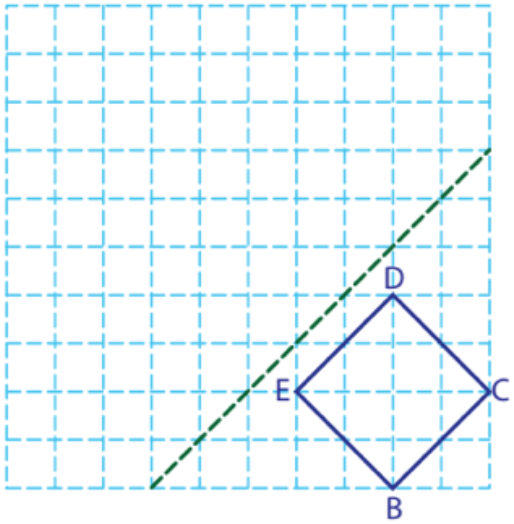
4)



5)



6)

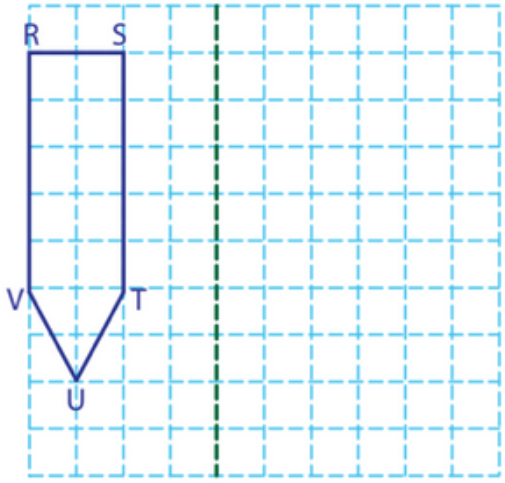


CHAPTER 2 - REFLECTION

Mirror Image

Graph the image of the given figure across the mirror line.

1)



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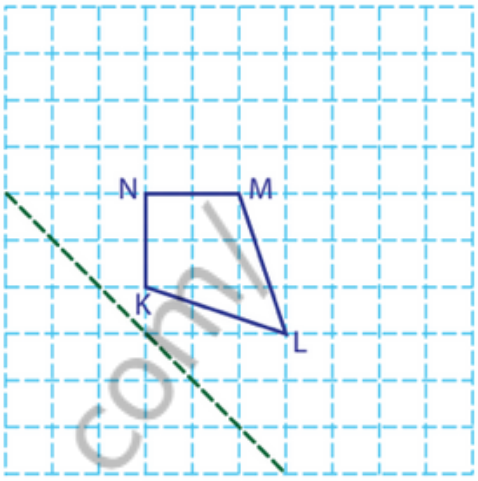

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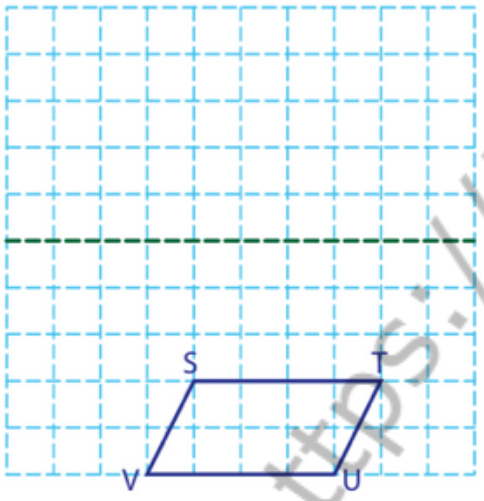

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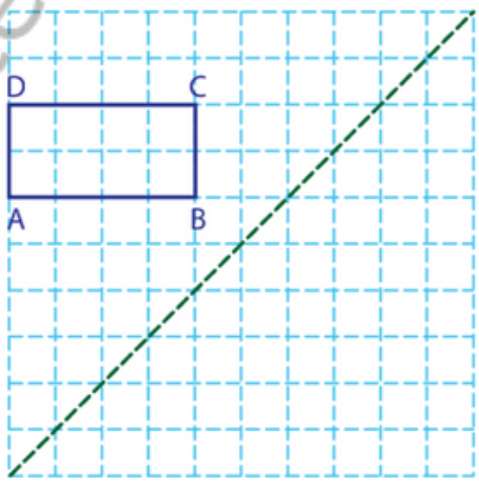

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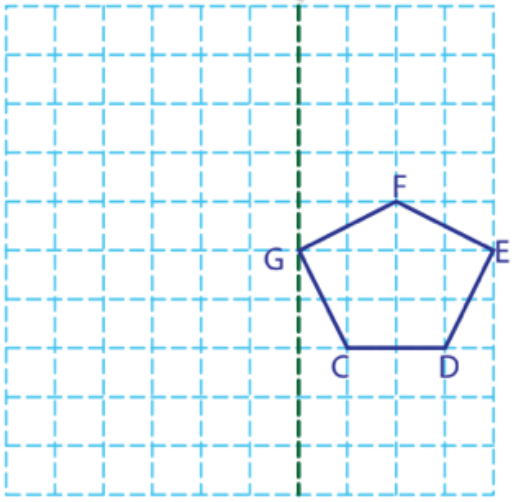
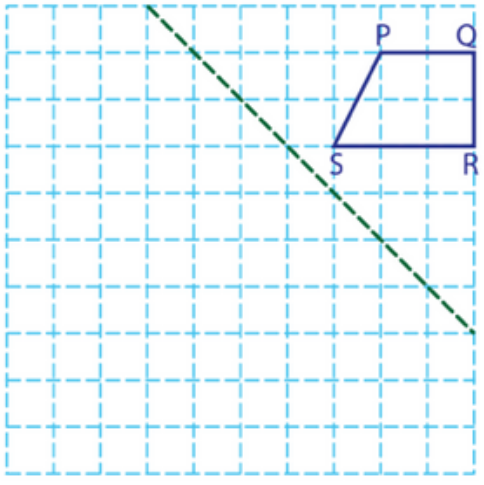


6)

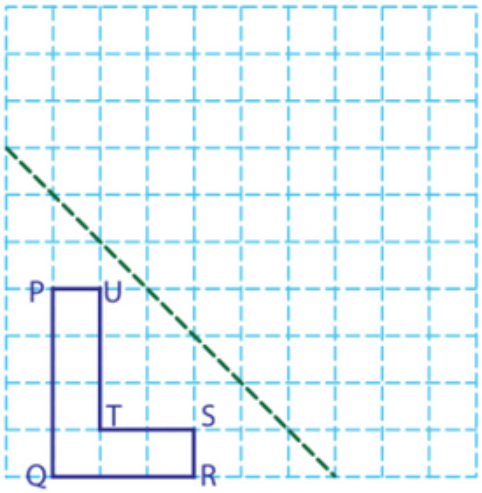


CHAPTER 2 - REFLECTION

Mirror Image

Graph the image of the given figure across the mirror line.

1)



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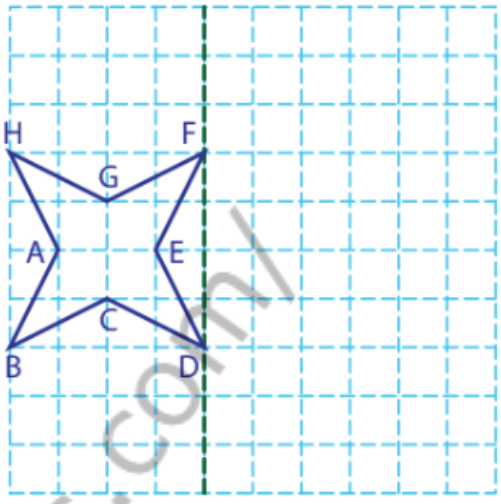
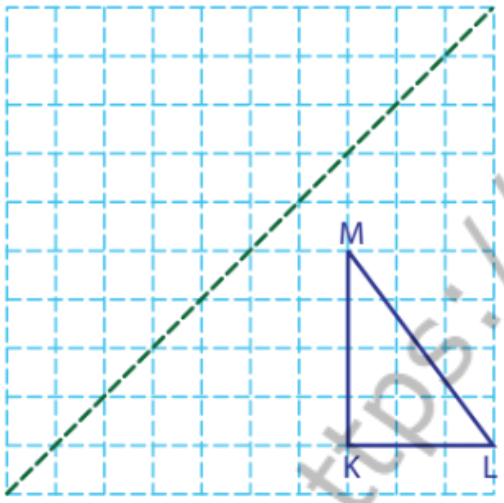


3)



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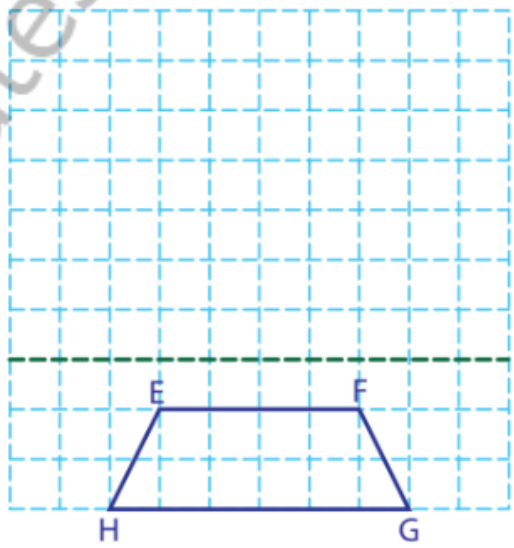
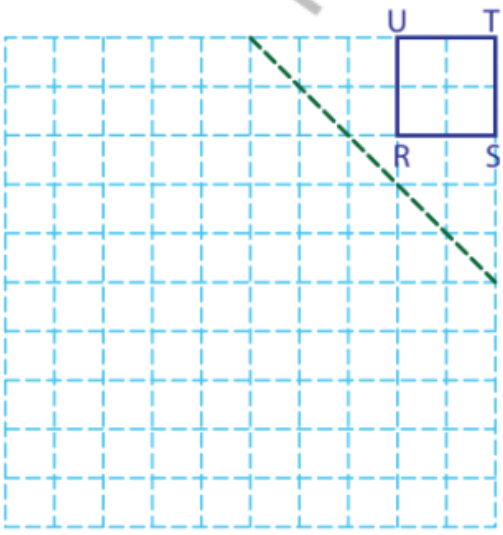
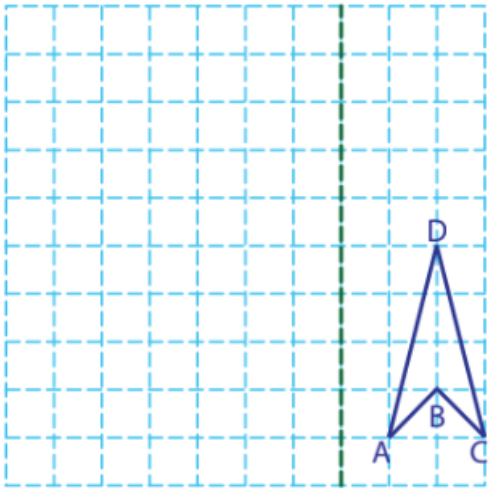


5)



6)

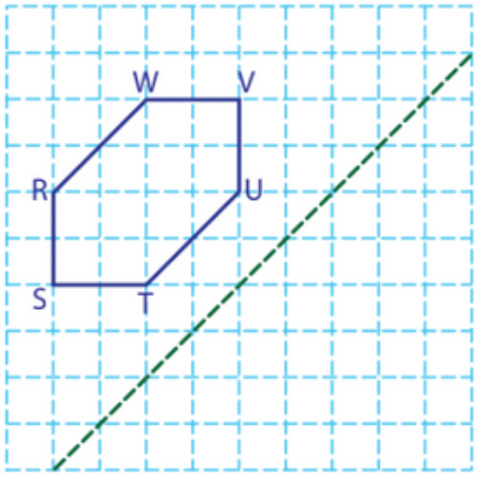


CHAPTER 2 - REFLECTION

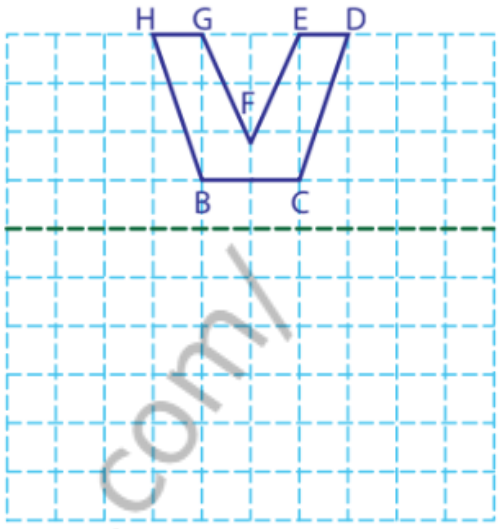
Mirror Image

Graph the image of the given figure across the mirror line.

1)



2)



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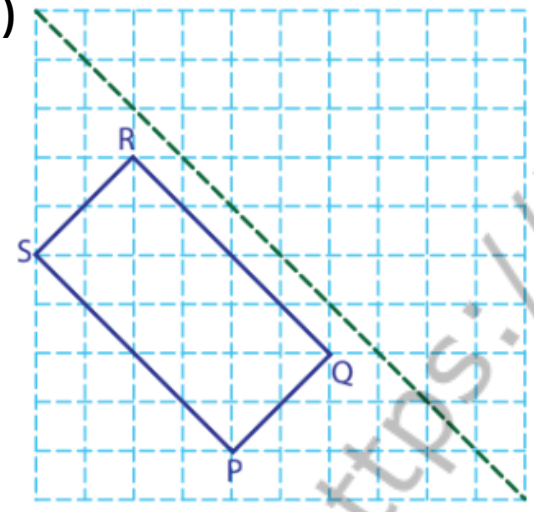

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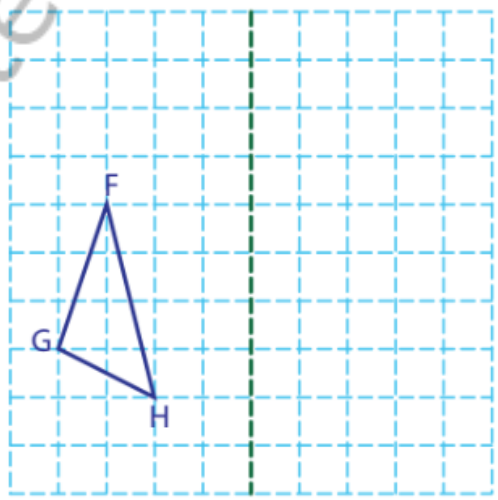
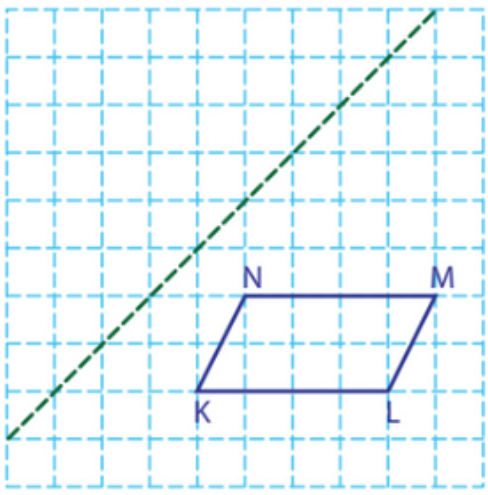
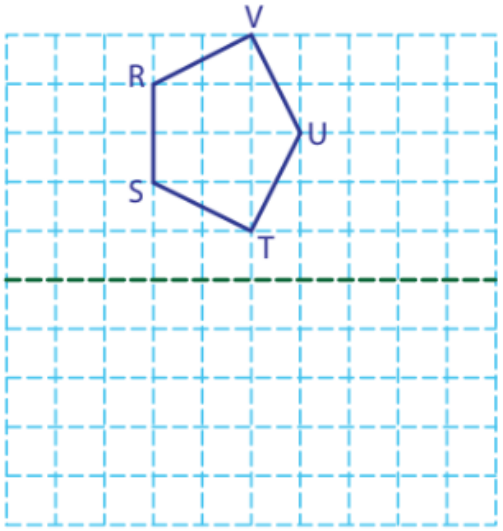


5)



6)

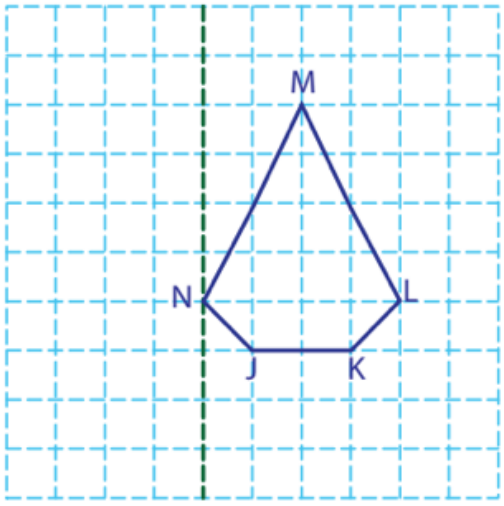


CHAPTER 2 - REFLECTION

Mirror Image

Graph the image of the given figure across the mirror line.

1)



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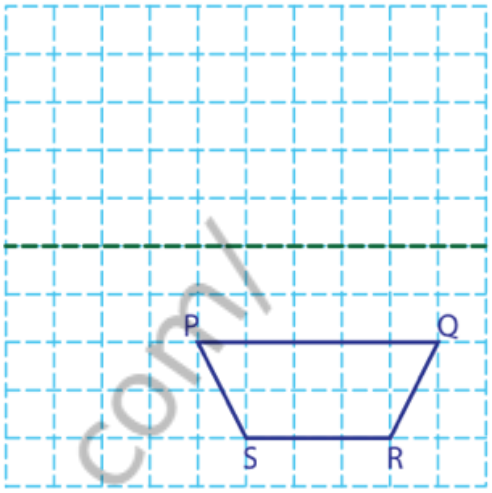
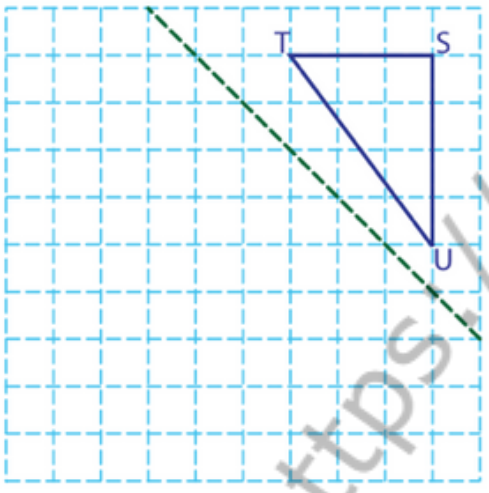
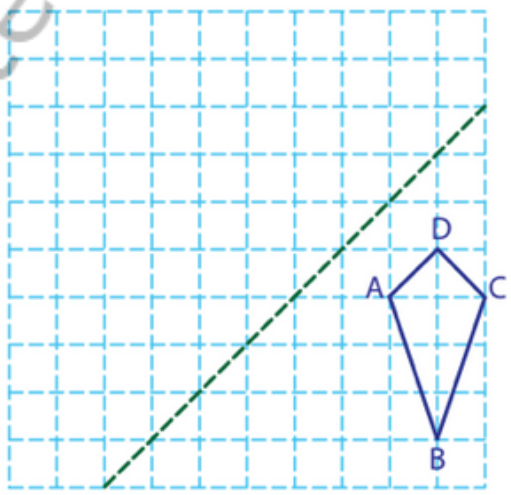


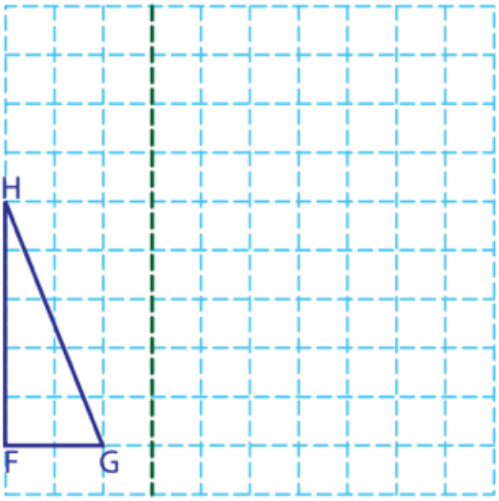
3)



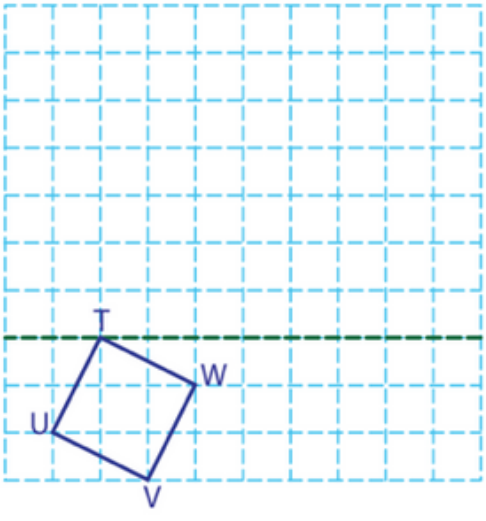
4)



5)



6)

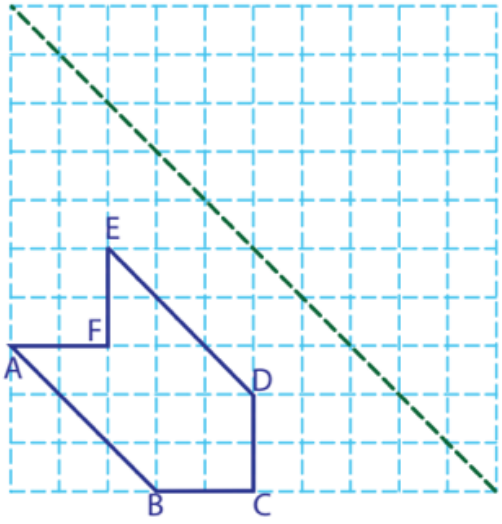


CHAPTER 2 - REFLECTION

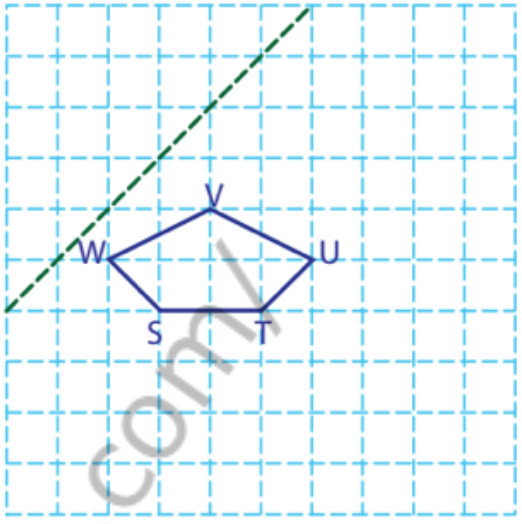
Mirror Image

Graph the image of the given figure across the mirror line.

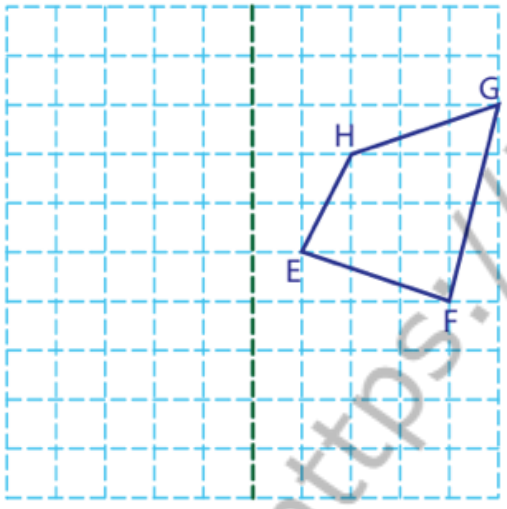
1)



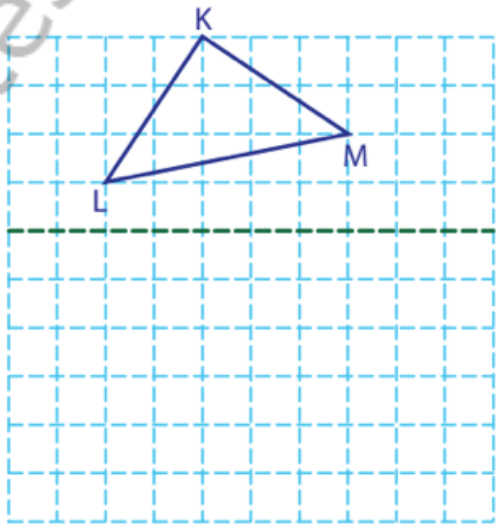
2)



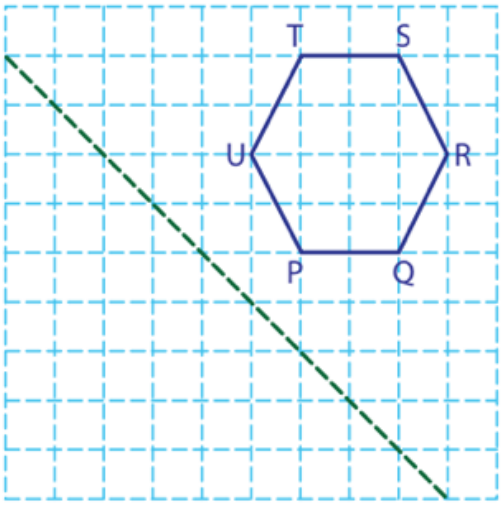
3)



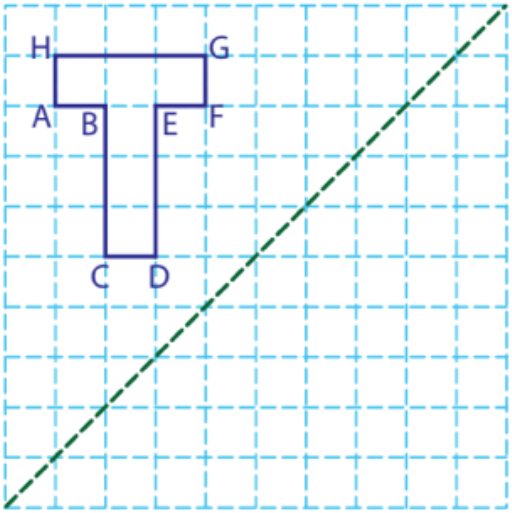
4)



5)



6)

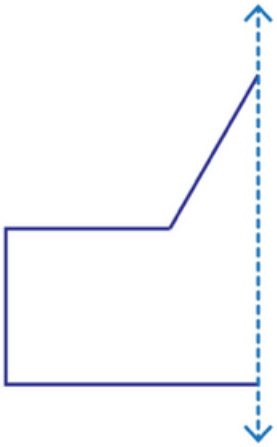


CHAPTER 2 - REFLECTION

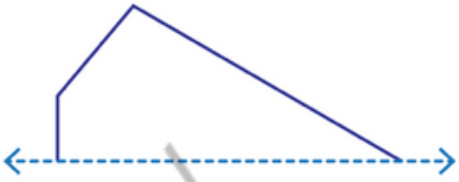
Mirror Image

Draw the other half of each symmetrical shape.

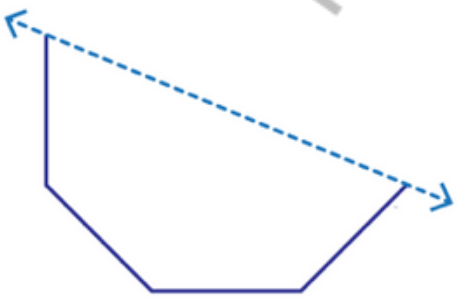
1)



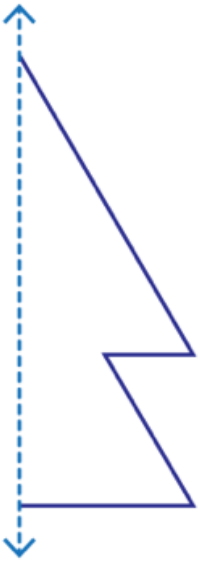
2)



3)



4)

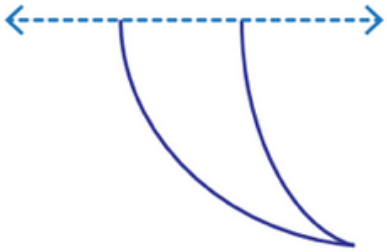


CHAPTER 2 - REFLECTION

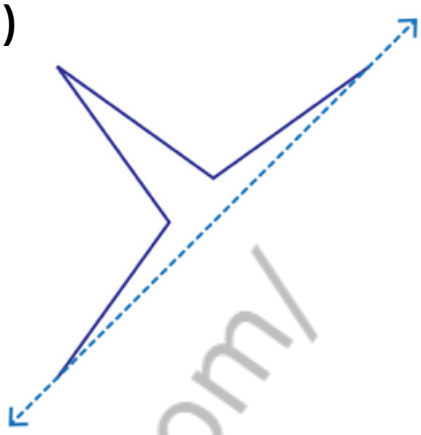
Mirror Image

Draw the other half of each symmetrical shape.

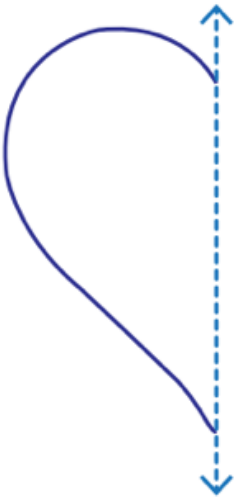
1)



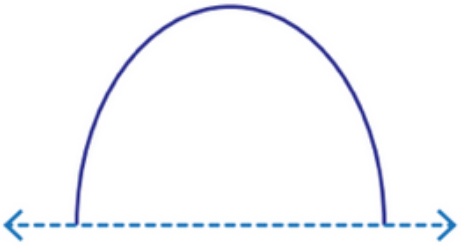
2)



3)



4)

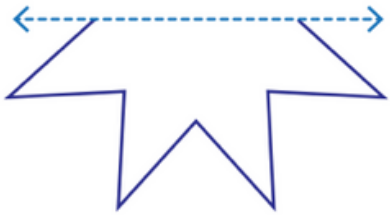


CHAPTER 2 - REFLECTION

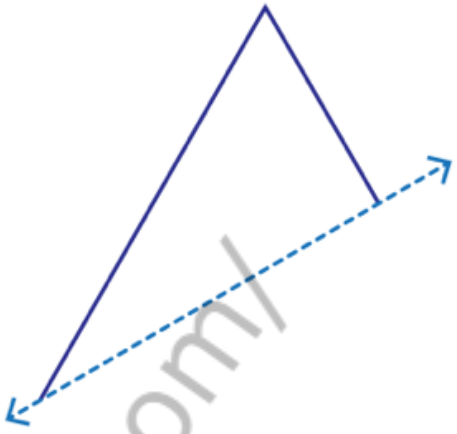
Mirror Image

Draw the other half of each symmetrical shape.

1)



2)



3)

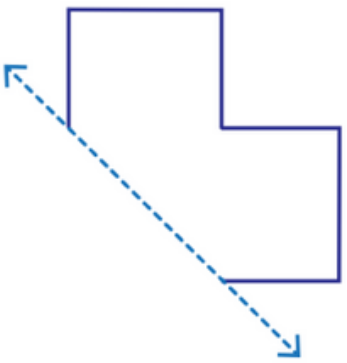
4)

CHAPTER 2 - REFLECTION

Mirror Image

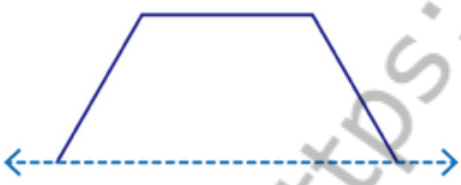
Draw the other half of each symmetrical shape.

1)

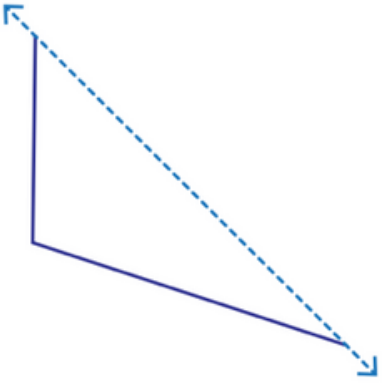


2)

3)



4)

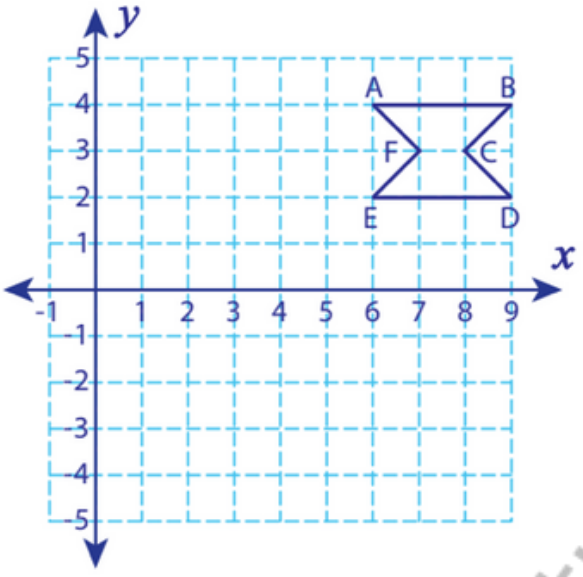


CHAPTER 2 - REFLECTION

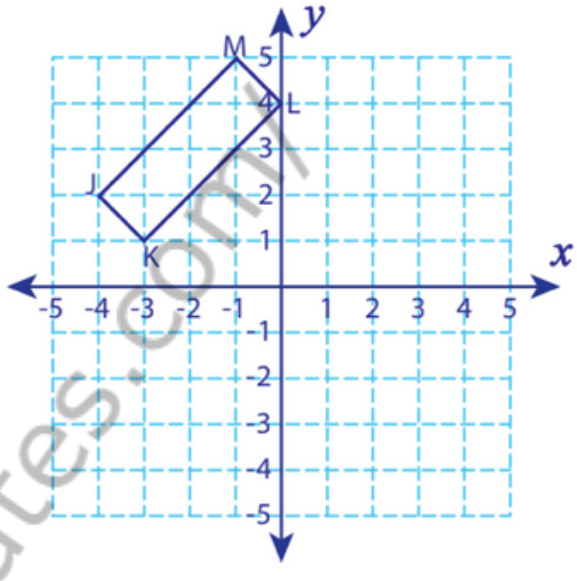
Reflect the Shapes

Graph the image of each shape after the given reflection.

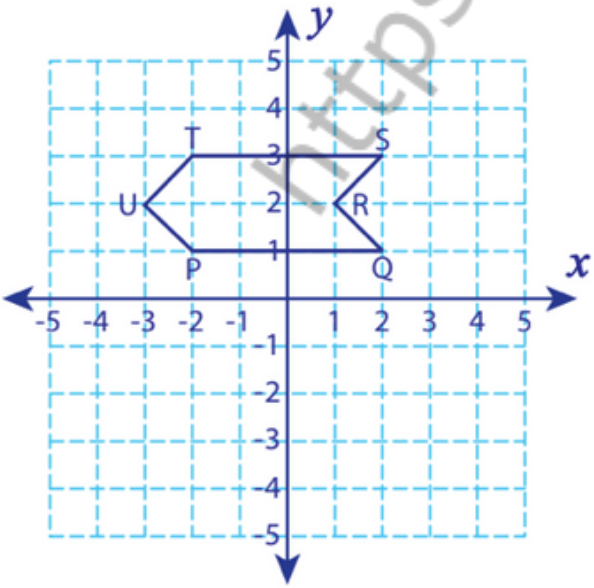
1) Reflection across the line x = 4



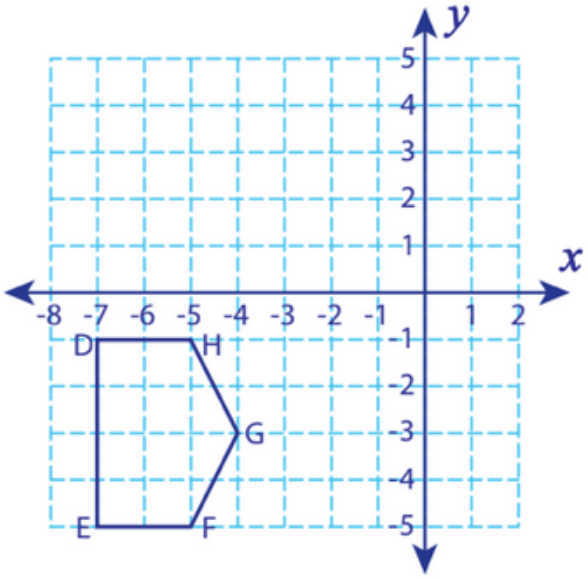
2) Reflection across the line y = x



3) Reflection across the line y = -1



4) Reflection across the line x = -3

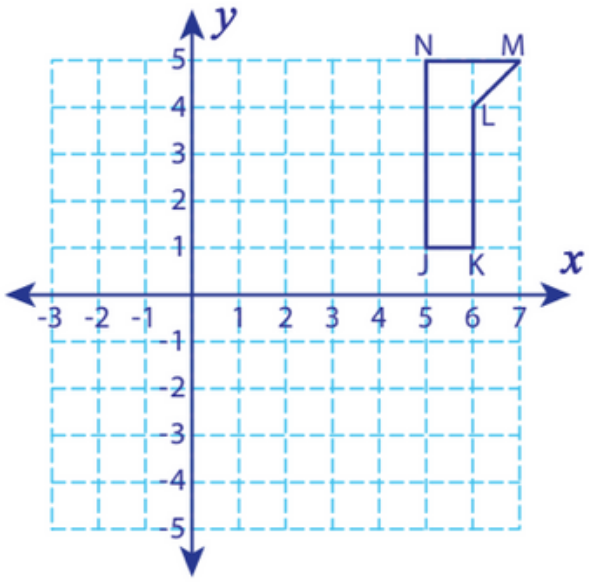


CHAPTER 2 - REFLECTION

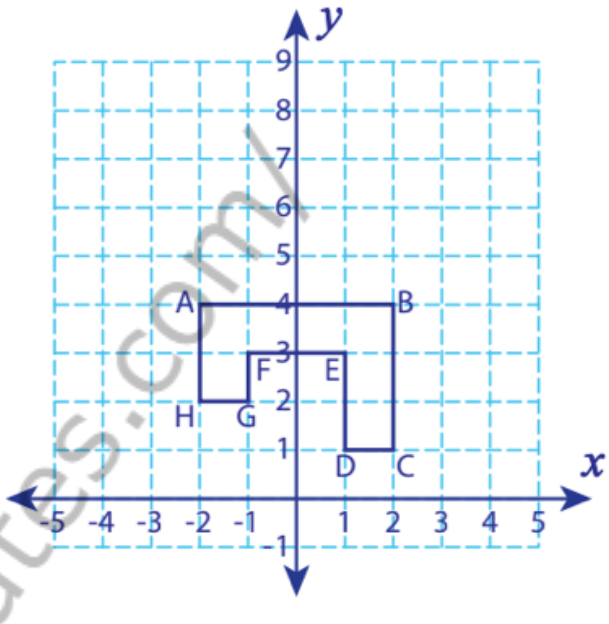
Reflect the Shapes

Graph the image of each shape after the given reflection.

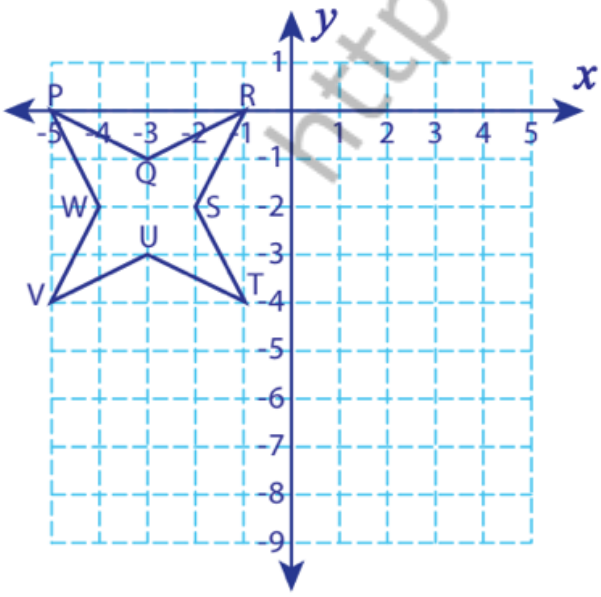
1) Reflection across the line x = 2



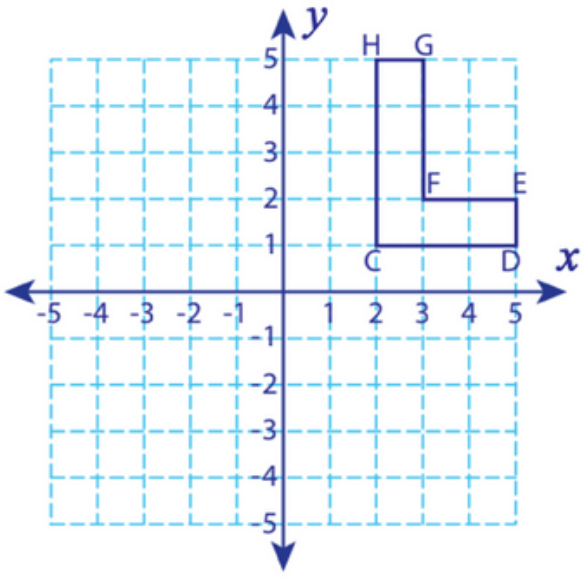
2) Reflection across the line y = 5



3) Reflection across the line y = -4



4) Reflection across the line x-axis

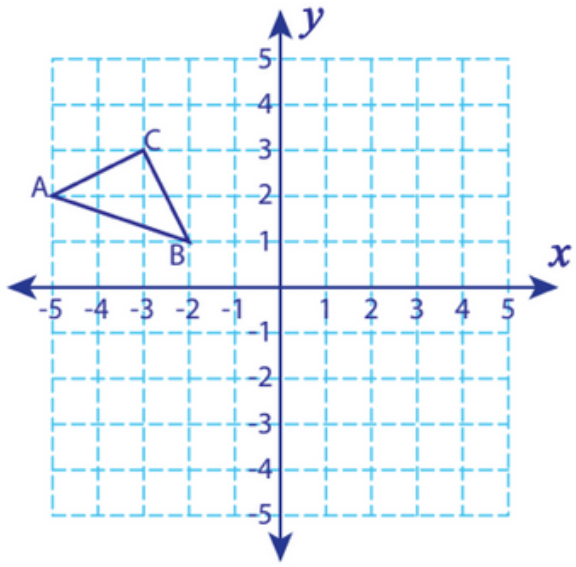


CHAPTER 2 - REFLECTION

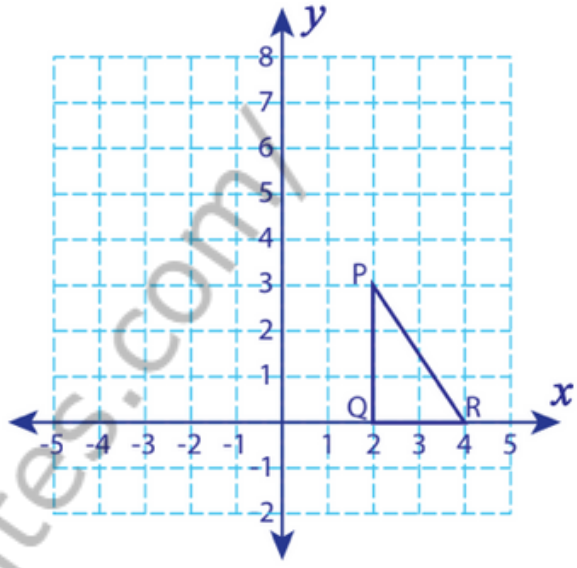
Reflect the Triangles

Graph the image of each triangle after the given reflection.

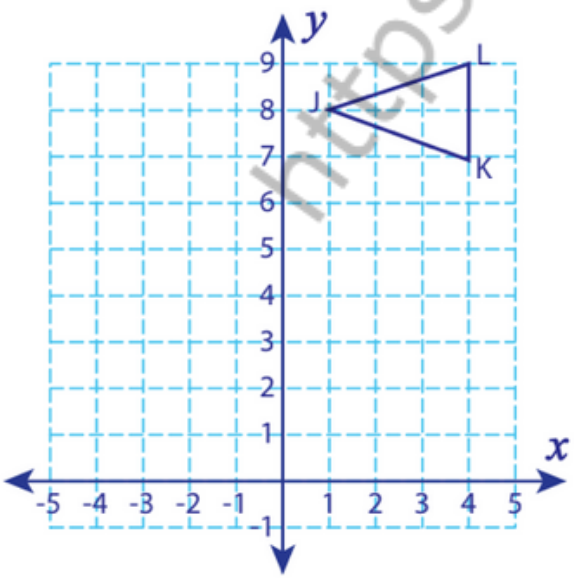
1) Reflection across the line x = -2



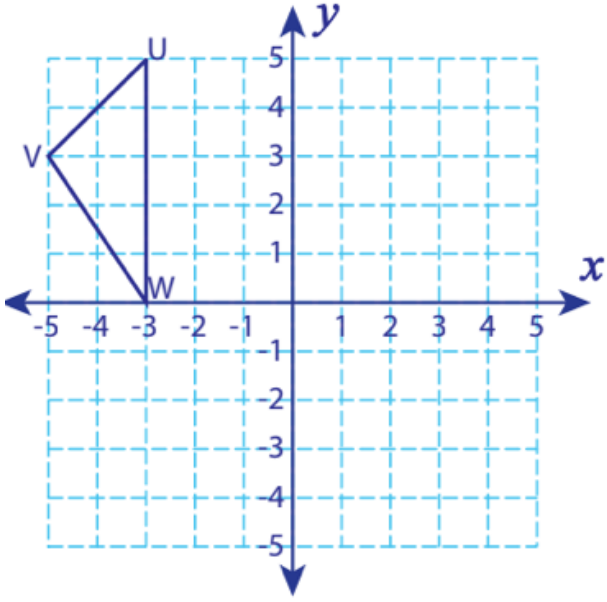
2) Reflection across the line y = 4



3) Reflection across the line y = 5



4) Reflection across the line x = -1

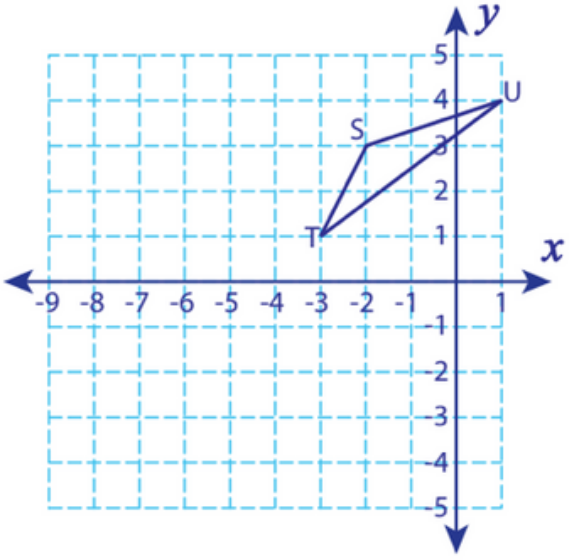


CHAPTER 2 - REFLECTION

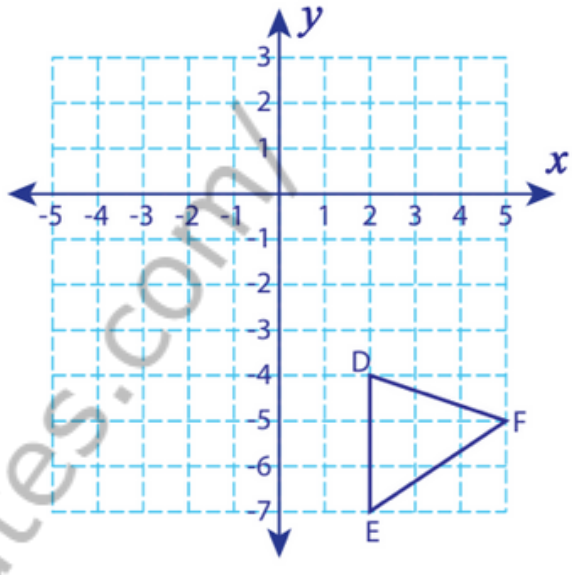
Reflect the Triangles

Graph the image of each triangle after the given reflection.

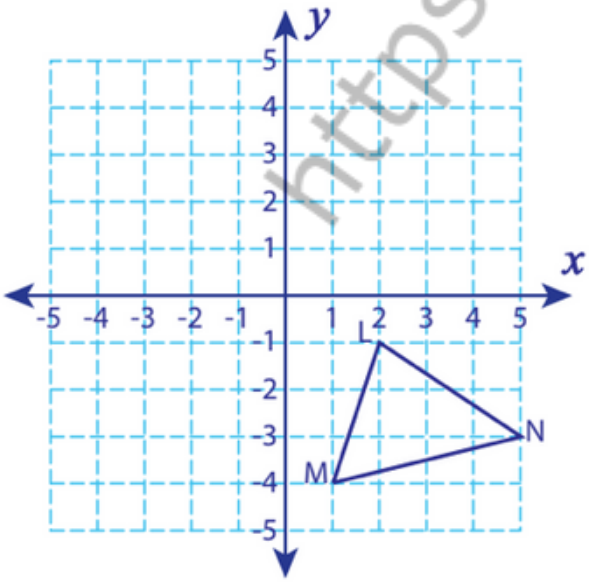
1) Reflection across the line x = -4



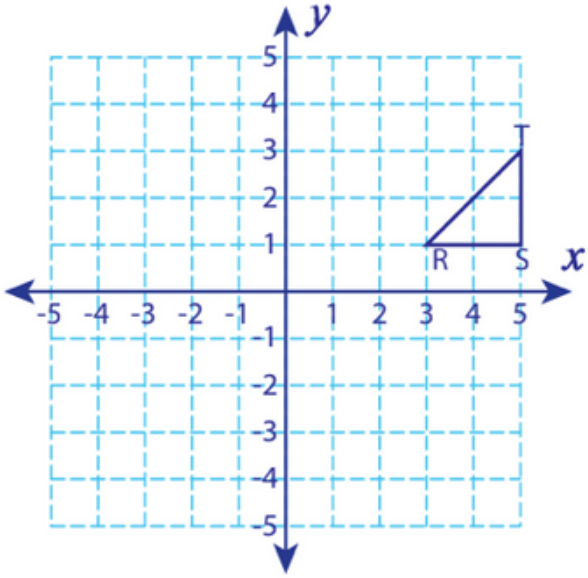
2) Reflection across the line y = -2



3) Reflection across the line y = x



4) Reflection across the line x = 3

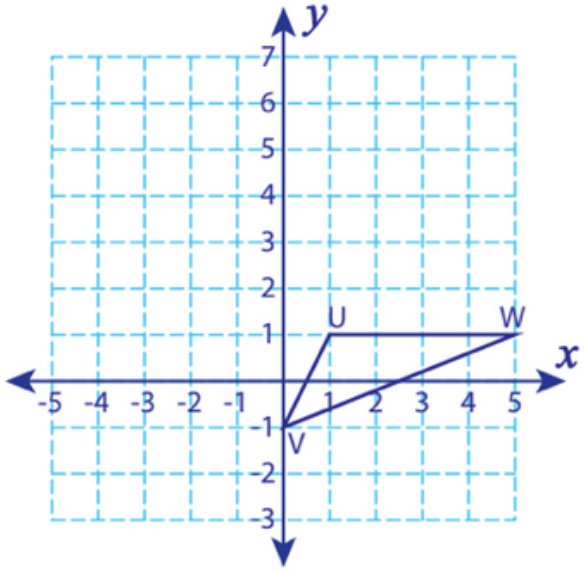


CHAPTER 2 - REFLECTION

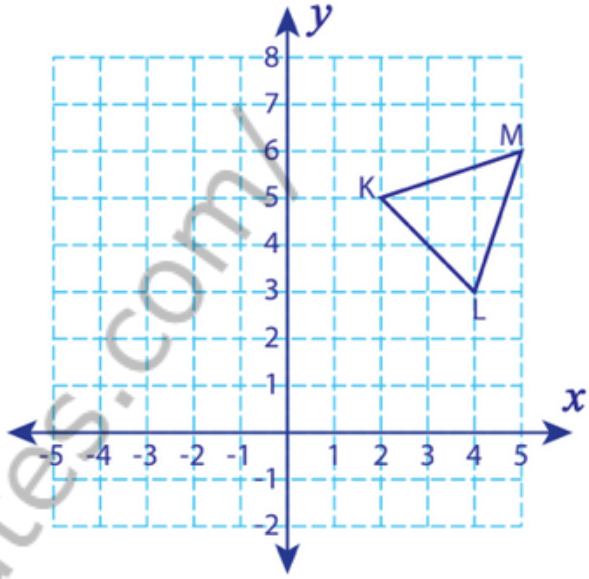
Reflect the Triangles

Graph the image of each triangle after the given reflection.

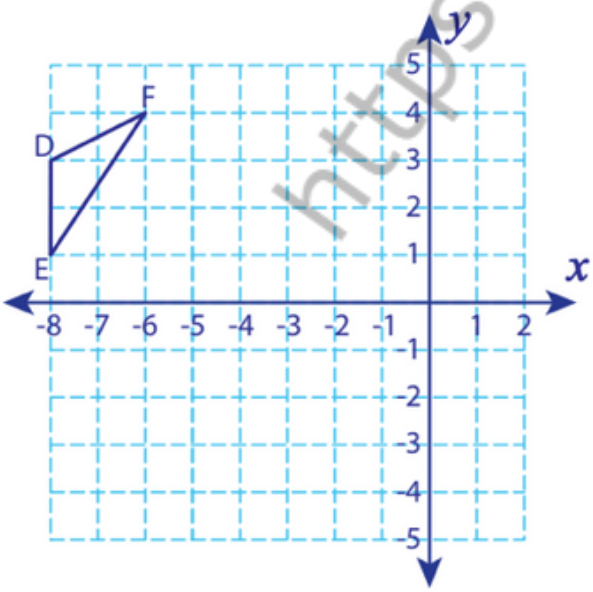
1) Reflection across the line y = 3



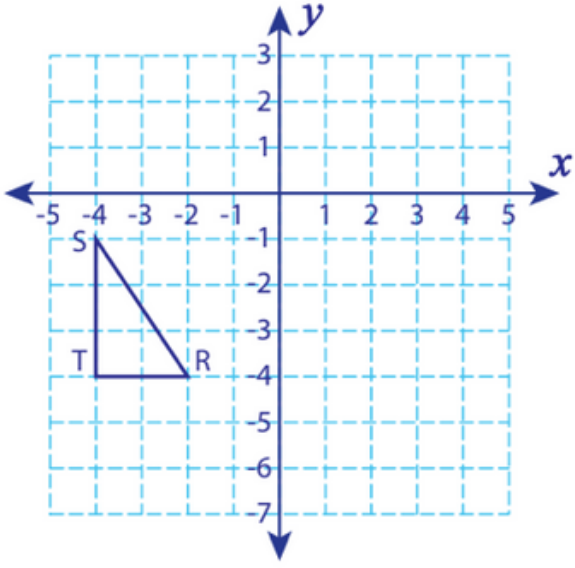
2) Reflection across the line x = 1



3) Reflection across the line x = -5



4) Reflection across the line y = -4

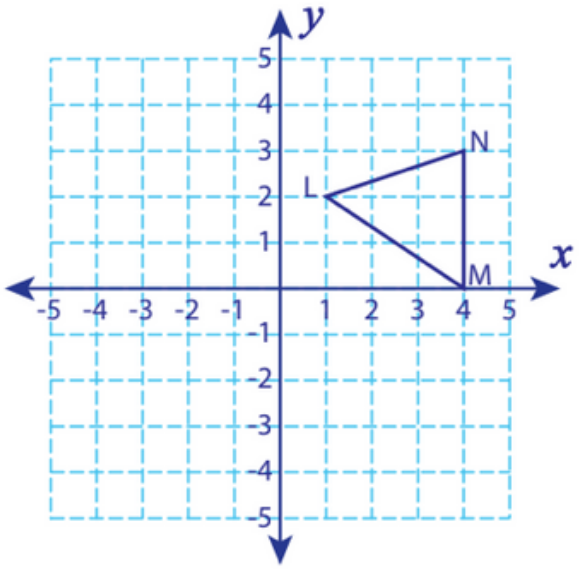


CHAPTER 2 - REFLECTION

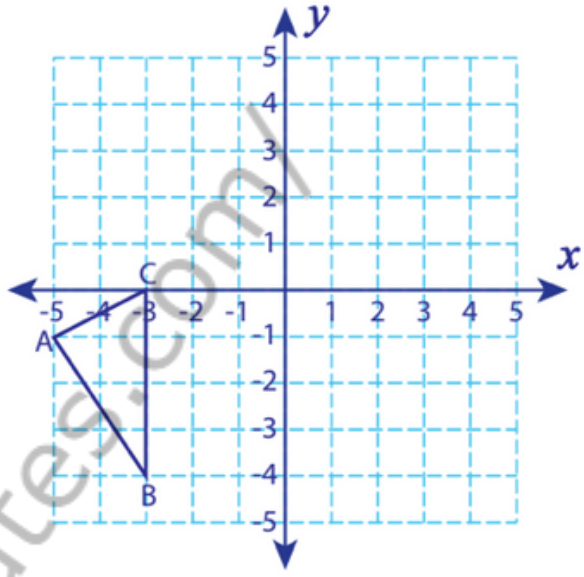
Reflect the Triangles

Graph the image of each triangle after the given reflection.

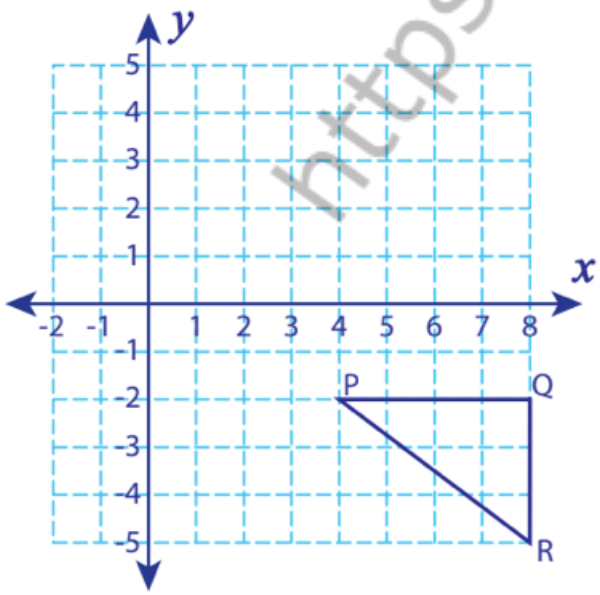
1) Reflection across the line y = -1



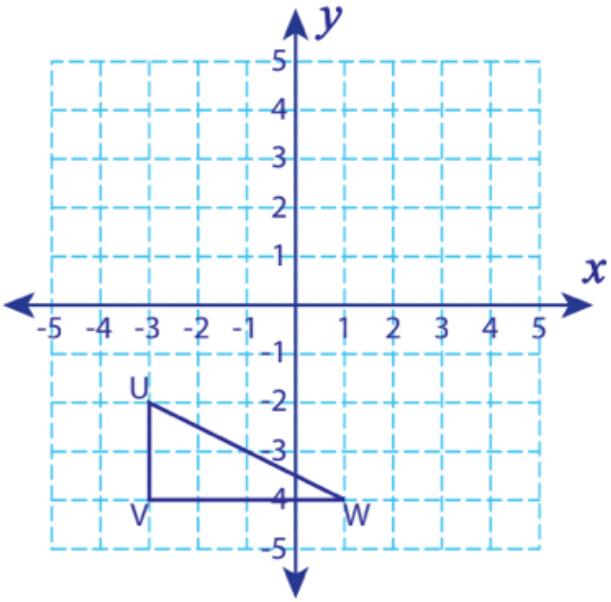
2) Reflection across the line y-axis



3) Reflection across the line x = 4



4) Reflection across the line y = -x



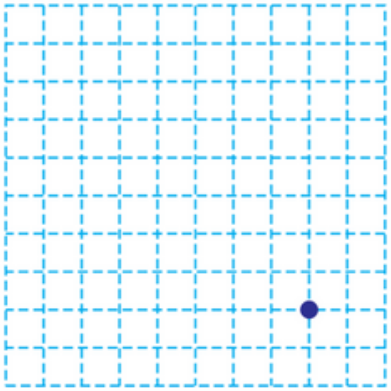
CHAPTER 3 - TRANSLATION

CHAPTER 3 - TRANSLATION

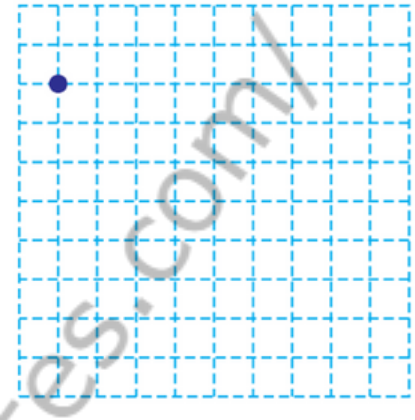
Translation of a Point

Graph the new position of each point using the translation given.

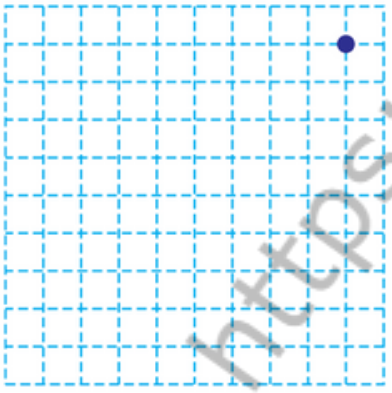
1) 4 units up and 2 units left



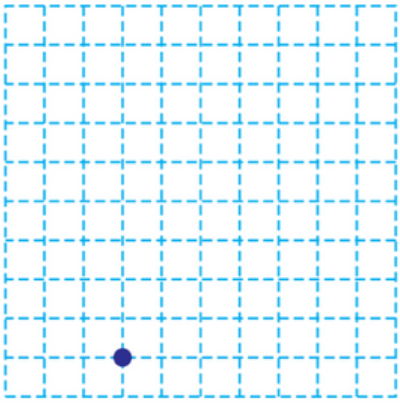
2) 5 units right



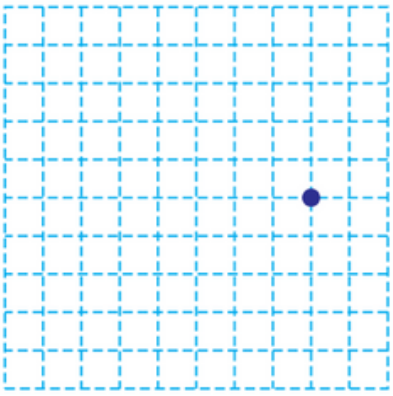
3) 8 units left and 6 units down



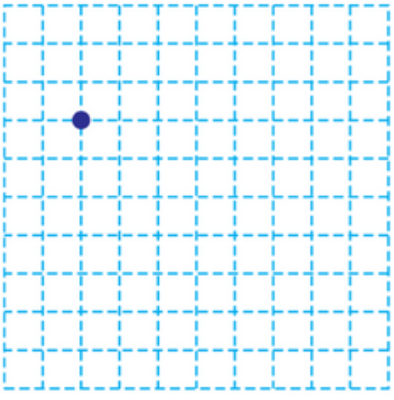
4) 1 unit right and 7 units up



5) 6 units left and 4 units up



6) 5 units right and 2 units down

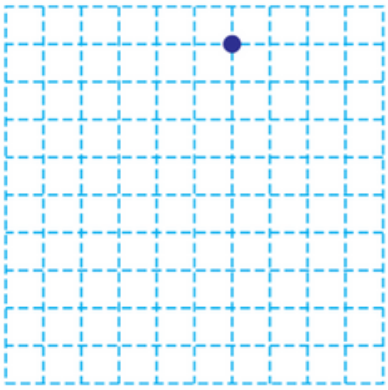


CHAPTER 3 - TRANSLATION

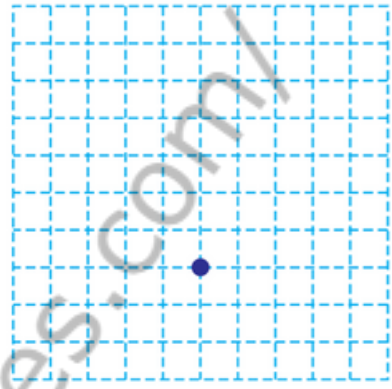
Translation of a Point

Graph the new position of each point using the translation given.

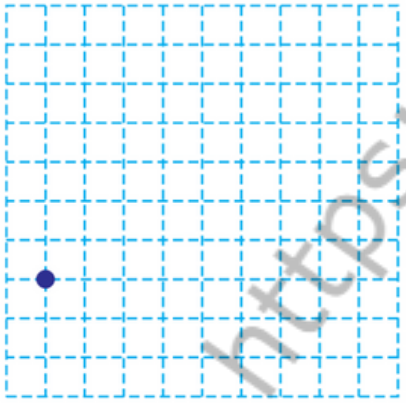
1) 8 units down



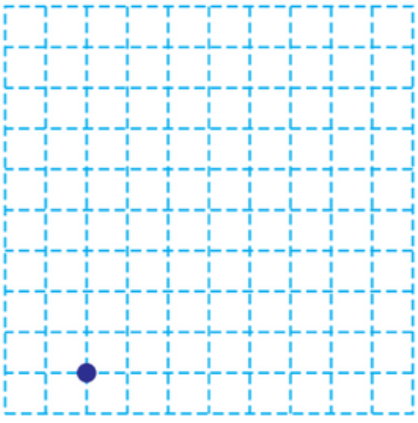
2) 2 units up and 3 units right



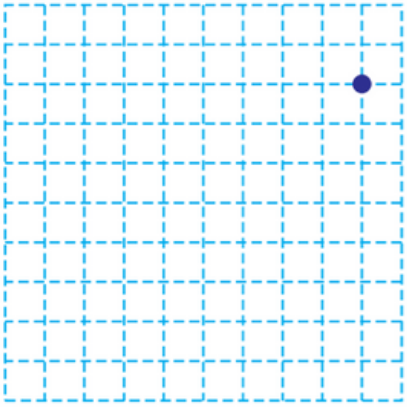
3) 1 unit down and 6 units right



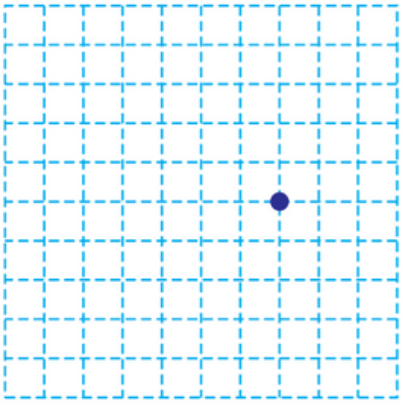
4) 2 units right and 6 units up



5) 7 units left



6) 4 units up and 4 units left

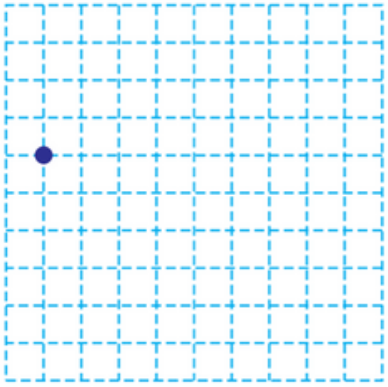


CHAPTER 3 - TRANSLATION

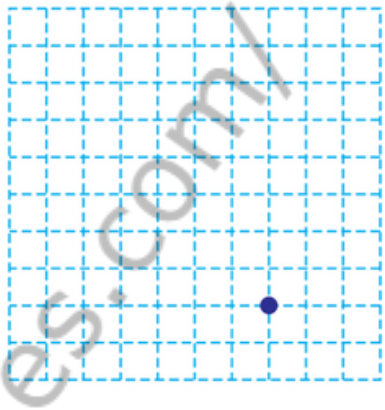
Translation of a Point

Graph the new position of each point using the translation given.

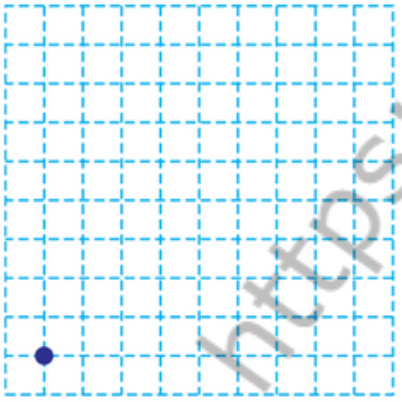
1) 8 units right and 5 units down



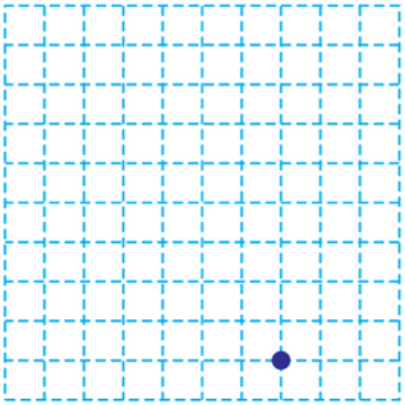
2) 4 units left and 3 units up



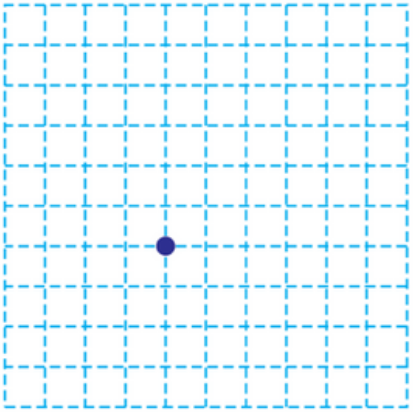
3) 7 units up and 2 units right



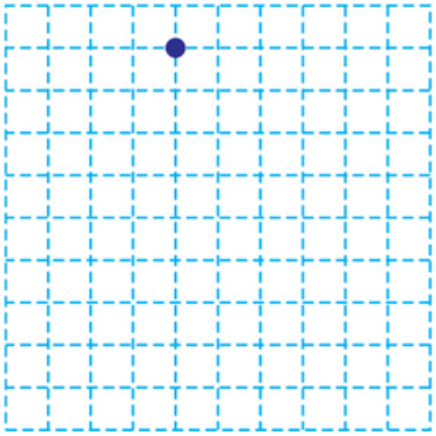
4) 6 units up



5) 5 units right and 5 units up



6) 1 unit left

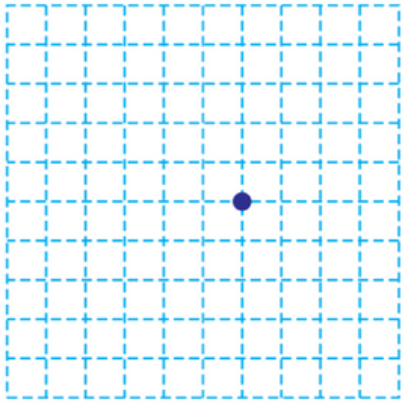


CHAPTER 3 - TRANSLATION

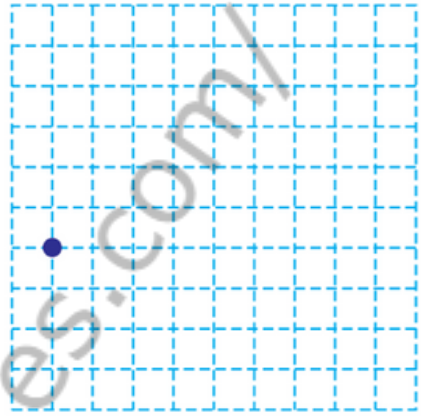
Translation of a Point

Graph the new position of each point using the translation given.

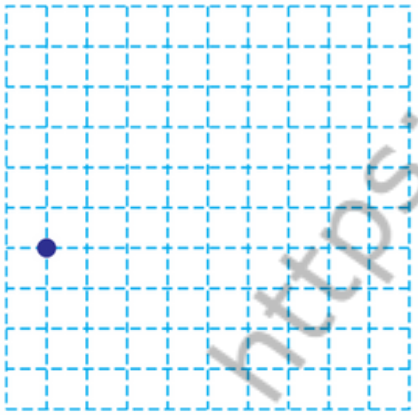
1) 3 units left and 4 units down



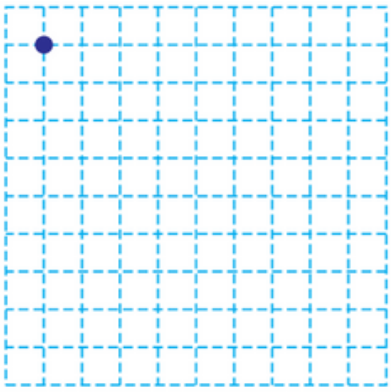
2) 1 unit down and 2 units right



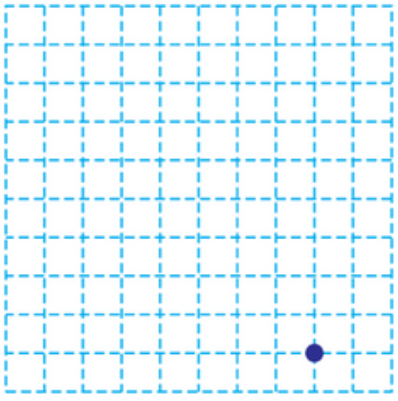
3) 6 units right and 5 units up



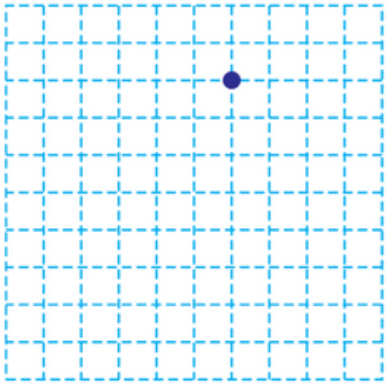
4) 5 units down and 8 units right



5) 7 units up and 3 units left



6) 2 units left and 4 units down

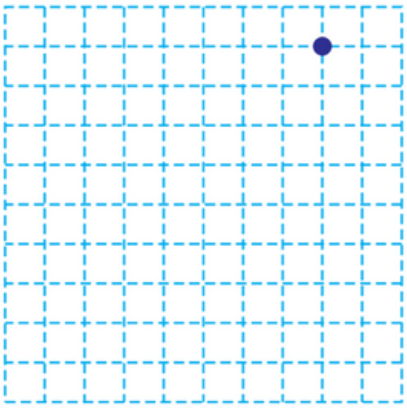


CHAPTER 3 - TRANSLATION

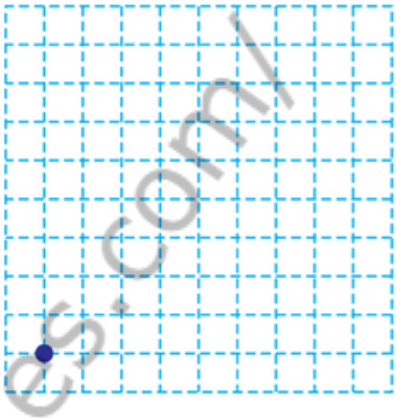
Translation of a Point

Graph the new position of each point using the translation given.

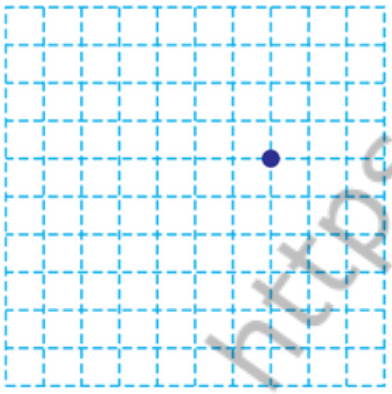
1) 6 units down and 6 units left



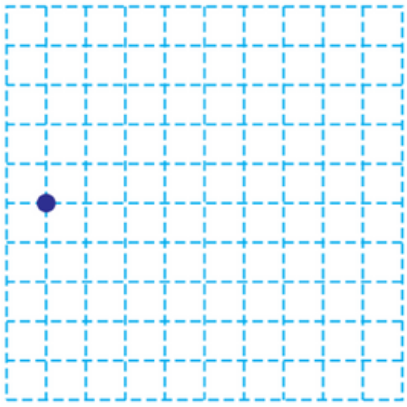
2) 8 units up and 4 units right



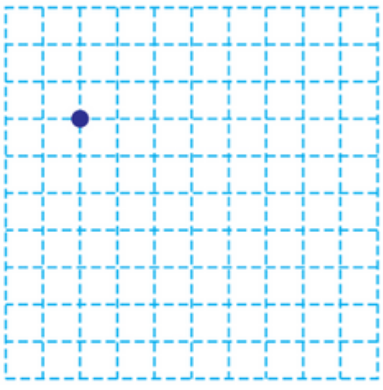
3) 3 units left



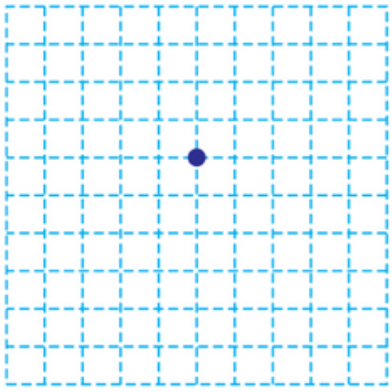
4) 2 units up and 8 units right



5) 7 units right and 6 units down



6) 1 unit down and 3 units right

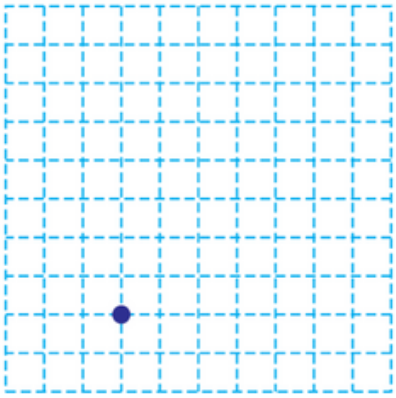


CHAPTER 3 - TRANSLATION

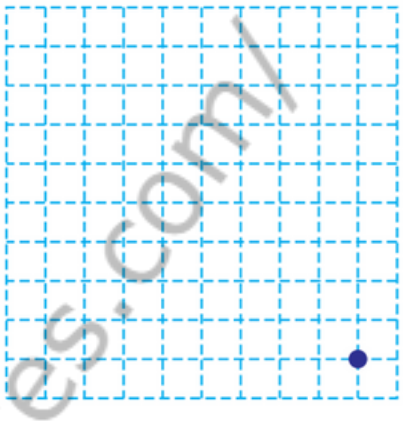
Translation of a Point

Graph the new position of each point using the translation given.

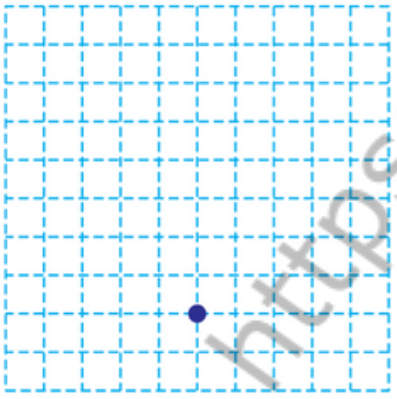
1) 4 units right



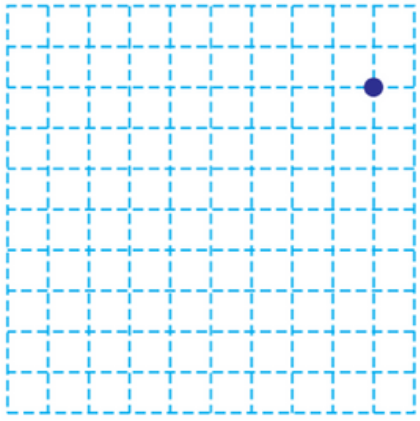
2) 2 units left and 7 units up



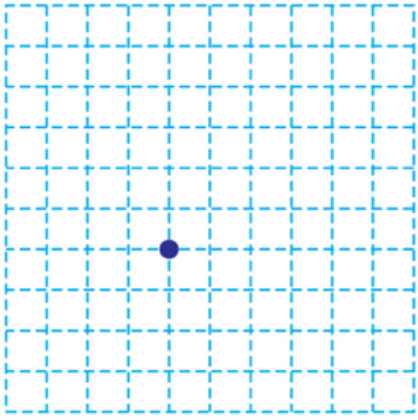
3) 5 units up and 4 units left



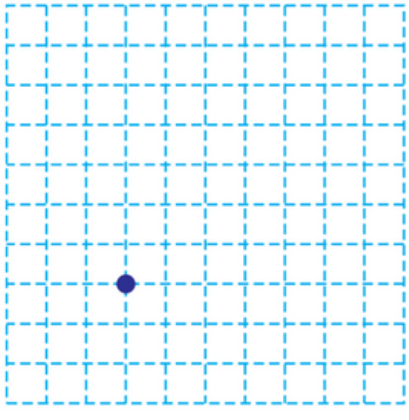
4) 8 units left and 7 units down



5) 1 unit down and 3 units left



6) 6 units right and 2 units up

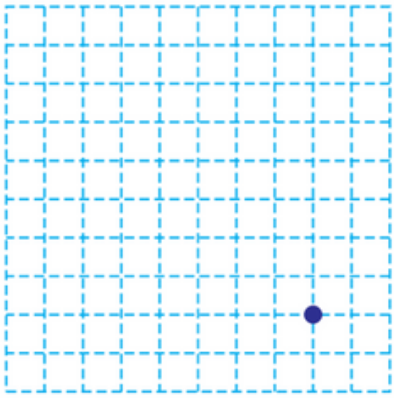


CHAPTER 3 - TRANSLATION

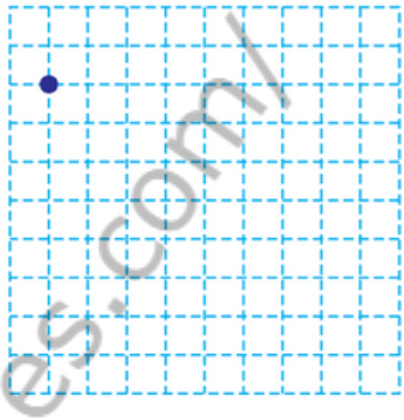
Translation of a Point

Graph the new position of each point using the translation given.

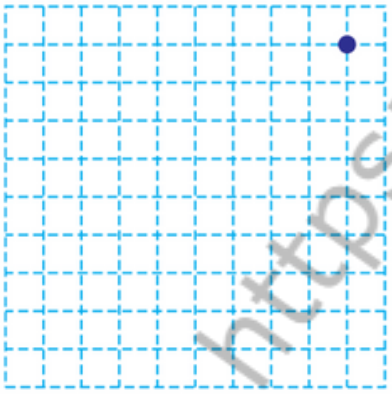
1) 3 units up and 2 units left



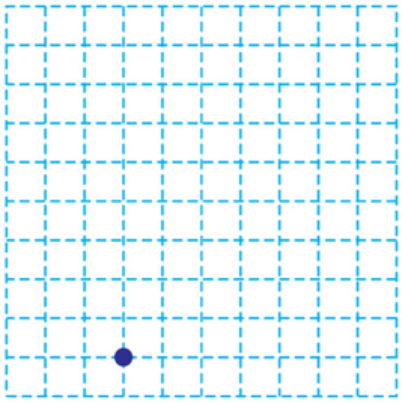
2) 4 units right



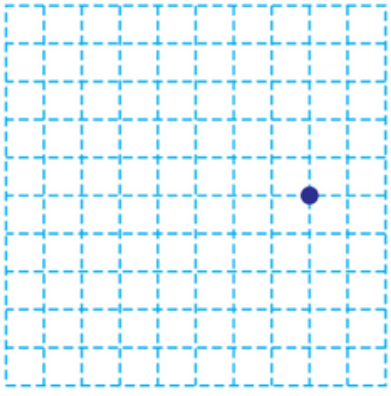
3) 6 units left and 4 units down



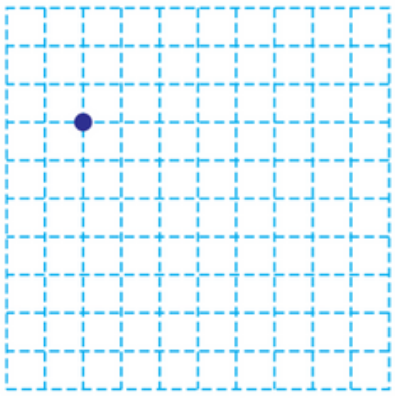
4) 1 unit right and 6 units up



5) 6 units left and 3 units up



6) 4 units right and 3 units down

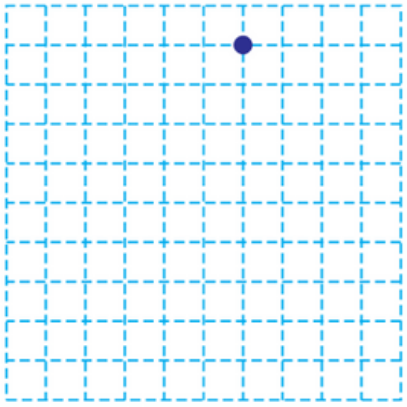


CHAPTER 3 - TRANSLATION

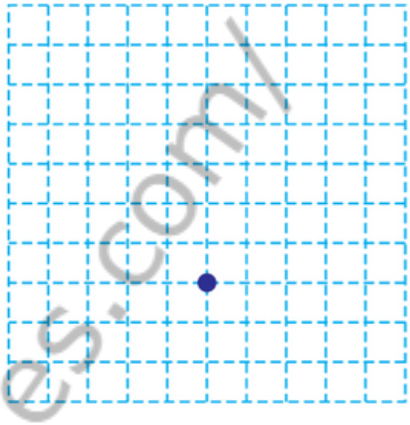
Translation of a Point

Graph the new position of each point using the translation given.

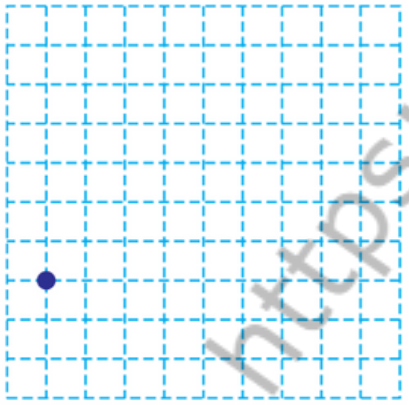
1) 7 units down



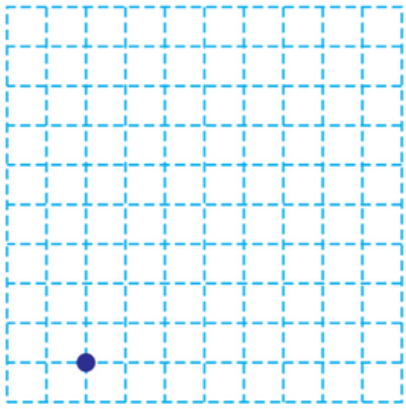
2) 3 units up and 3 units right



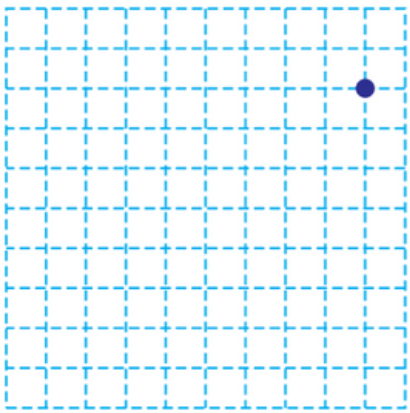
3) 1 unit down and 5 units right



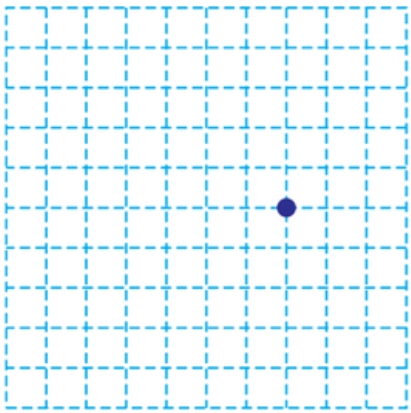
4) 2 units right and 7 units up



5) 8 units left



6) 4 units up and 5 units left

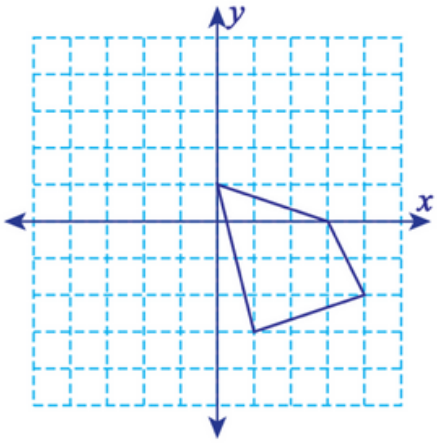


CHAPTER 3 - TRANSLATION

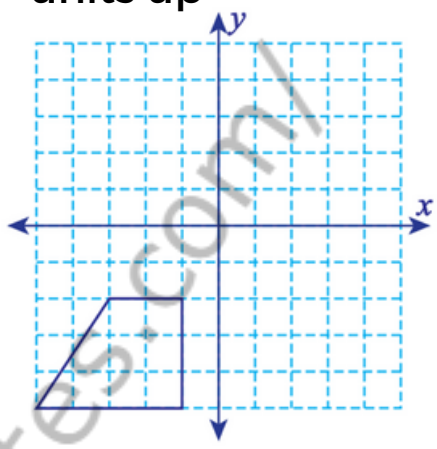
Translation of Quadrilaterals

Graph the image of each quadrilateral using the translation given.

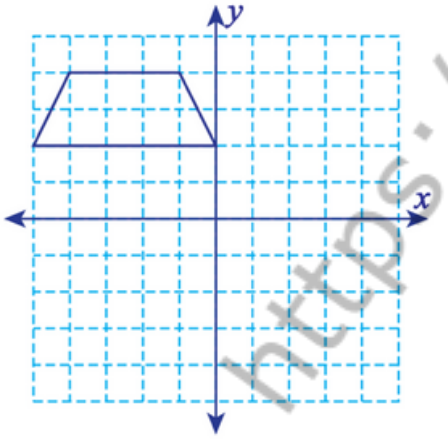
1) 3 units up and 5 units left



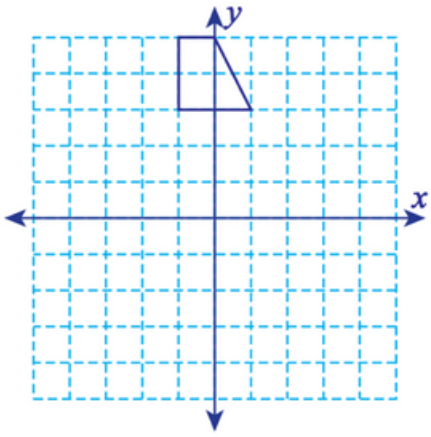
2) 6 units right and 4 units up



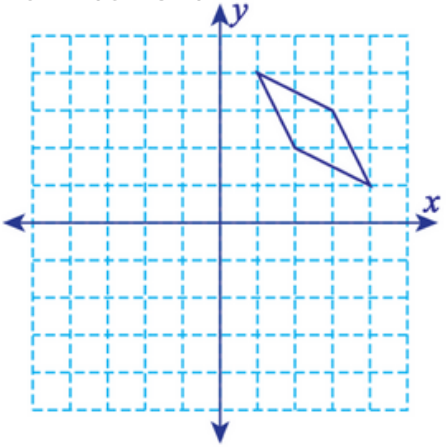
3) 7 units down and 2 units right



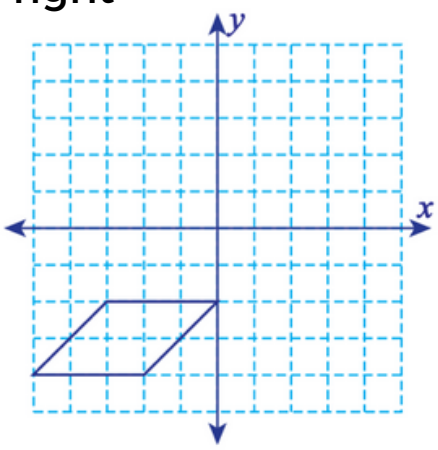
4) 8 units down



5) 5 units down and 3 units left



6) 4 units up and 4 units right

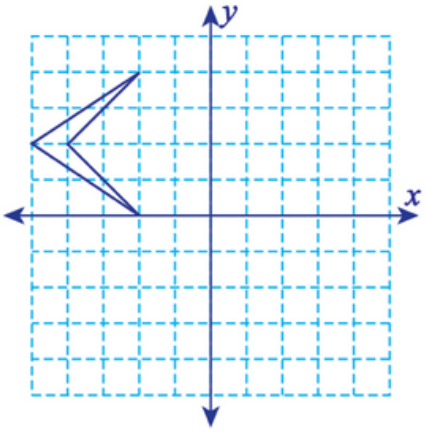


CHAPTER 3 - TRANSLATION

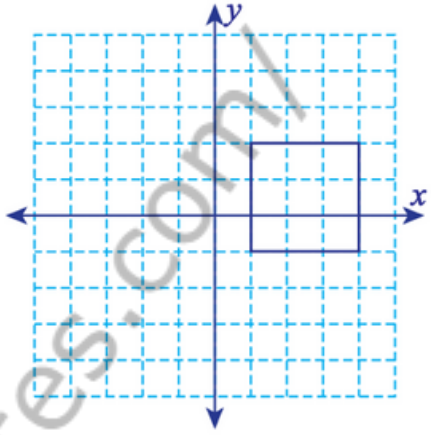
Translation of Quadrilaterals

Graph the image of each quadrilateral using the translation given.

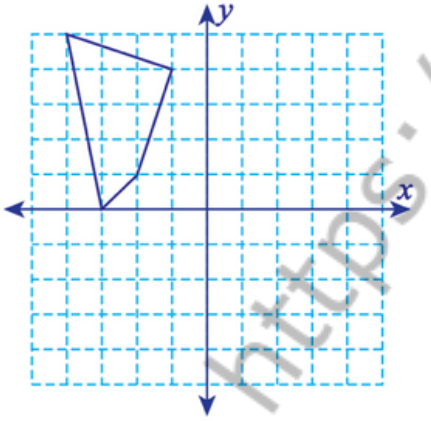
1) 4 units down and 7 units right



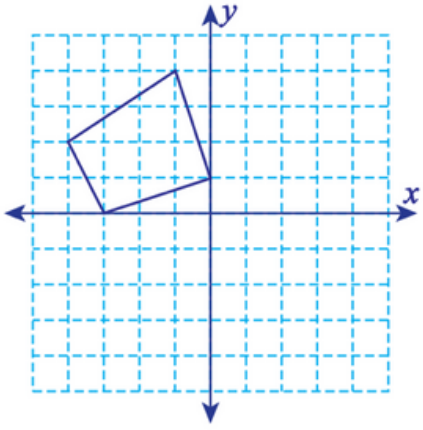
2) 3 units left and 2 units up



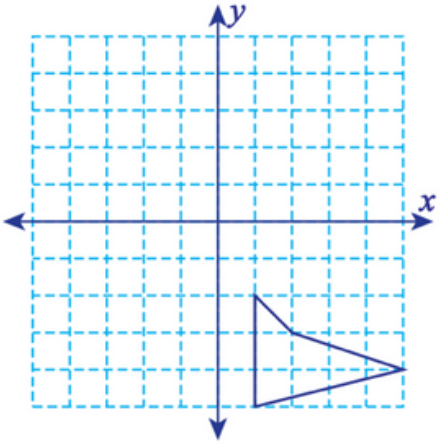
3) 6 units right and 1 unit down



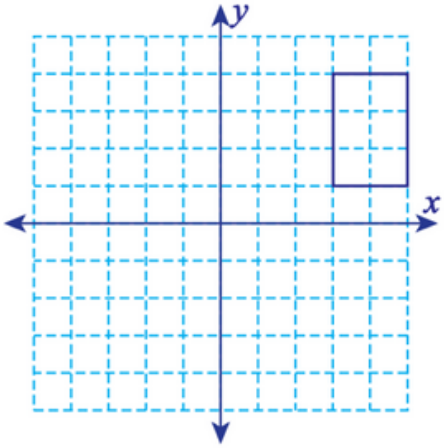
4) 2 units right and 3 units down



5) 5 units left and 7 units up



6) 4 units down and 2 units left

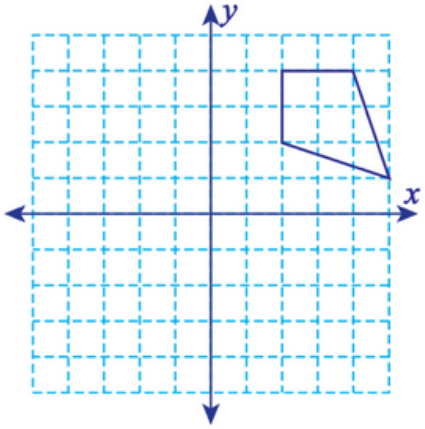


CHAPTER 3 - TRANSLATION

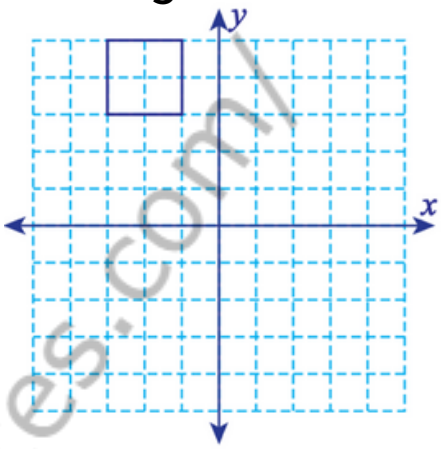
Translation of Quadrilaterals

Graph the image of each quadrilateral using the translation given.

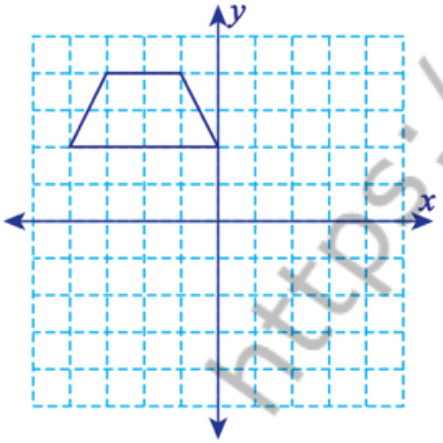
1) 1 unit up and 7 units left



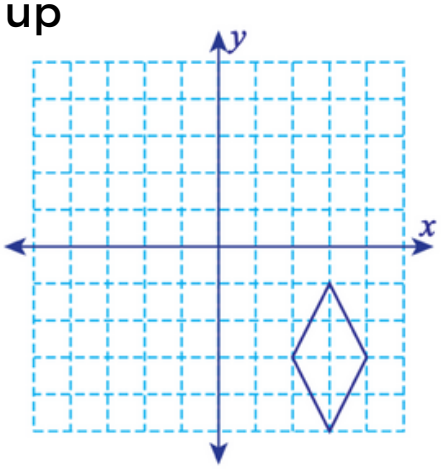
2) 8 units down and 6 units right



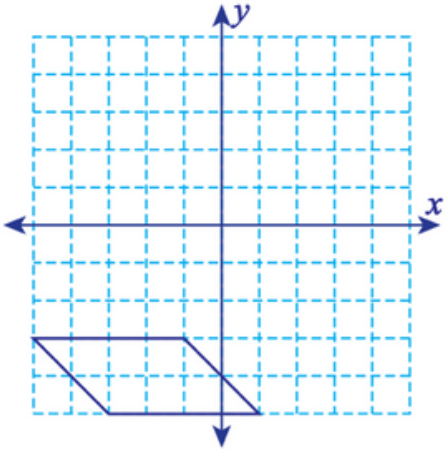
3) 1 unit left and 5 units down



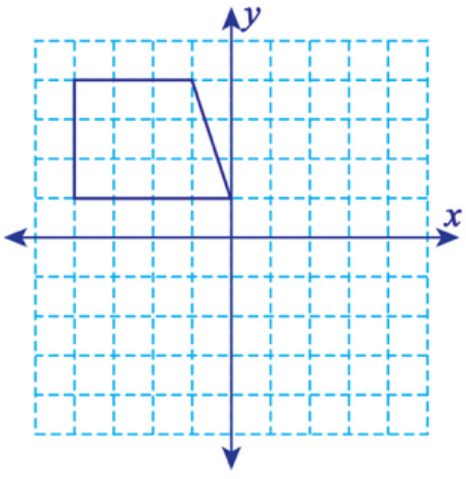
4) 6 units left and 2 units up



5) 3 units right and 8 units up



6) 4 units right

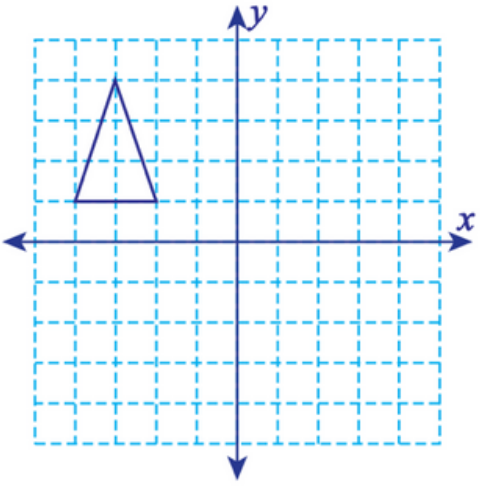


CHAPTER 3 - TRANSLATION

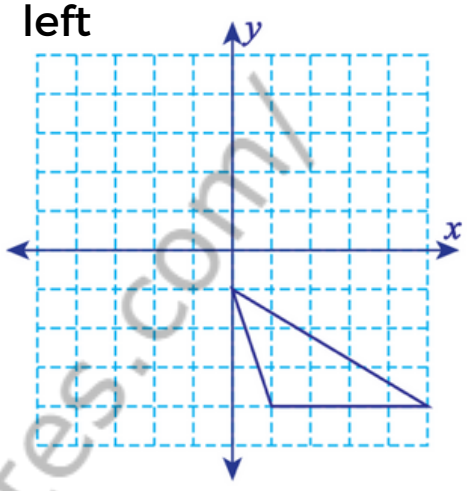
Translation of Triangles

Graph the image of each triangle using the given translation.

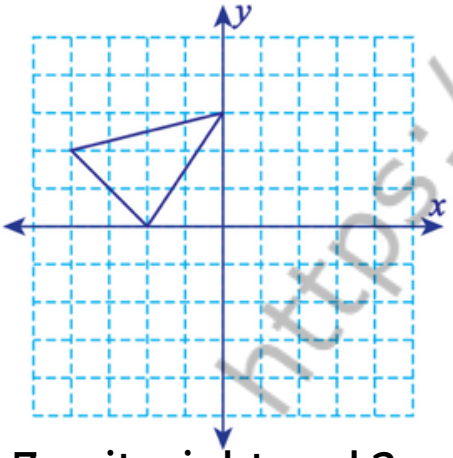
1) 4 units down



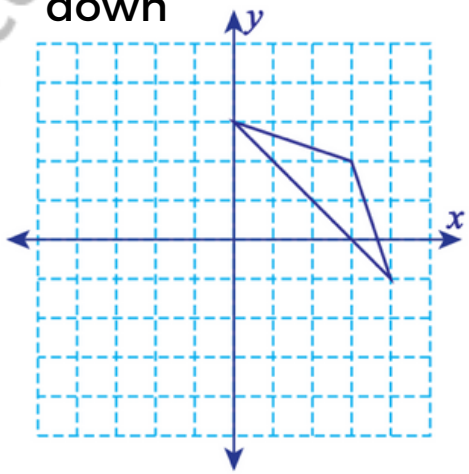
2) 6 units up and 5 units left



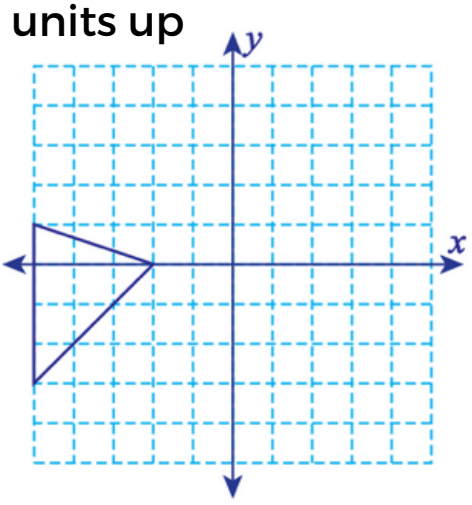
3) 5 units right and 3 units down



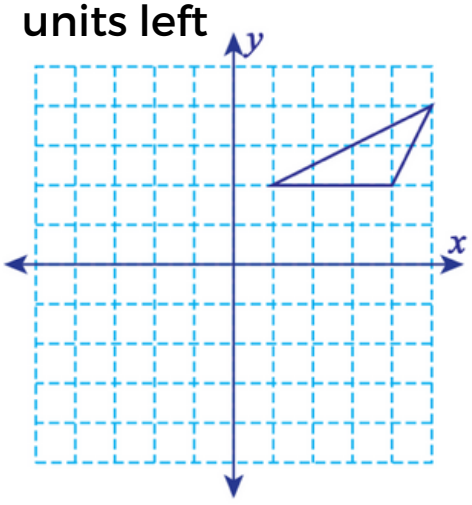
4) 5 units left and 1 unit down



5) 7 units right and 2 units up



6) 3 units down and 4 units left

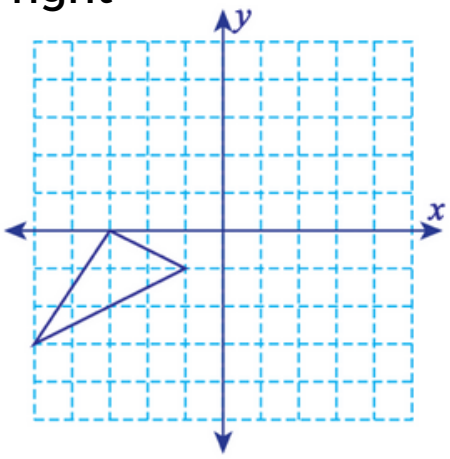


CHAPTER 3 - TRANSLATION

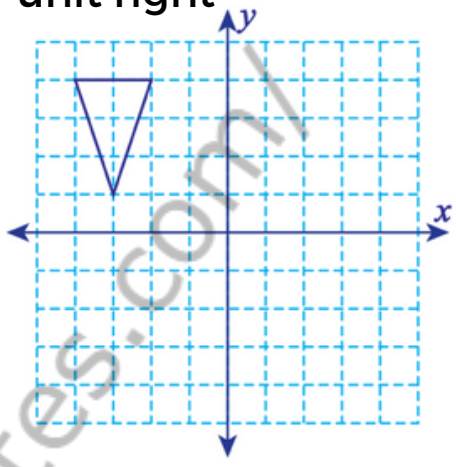
Translation of Triangles

Graph the image of each triangle using the given translation.

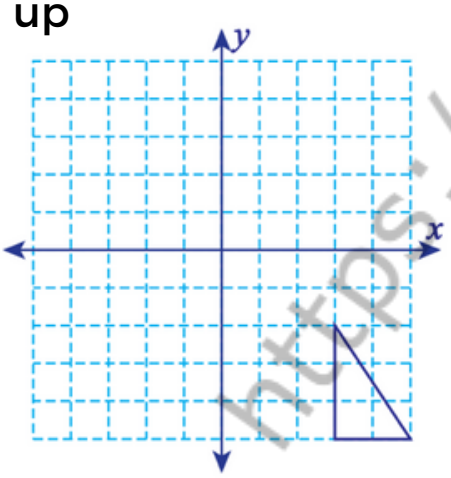
1) 2 units up and 6 units right



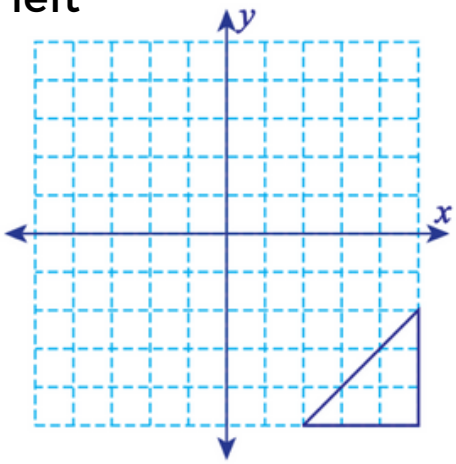
2) 4 units down and 1 unit right



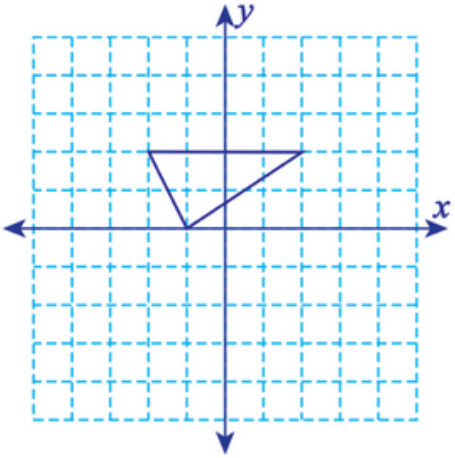
3) 8 units left and 7 units up



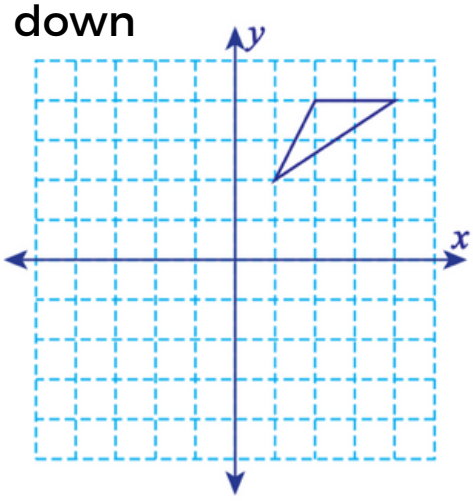
4) 7 units up and 5 units left



5) 3 units right



6) 6 units left and 4 units down

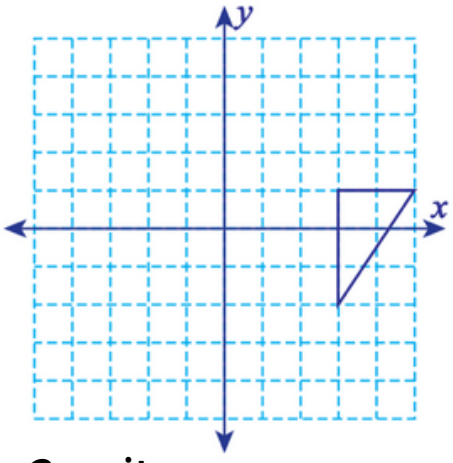


CHAPTER 3 - TRANSLATION

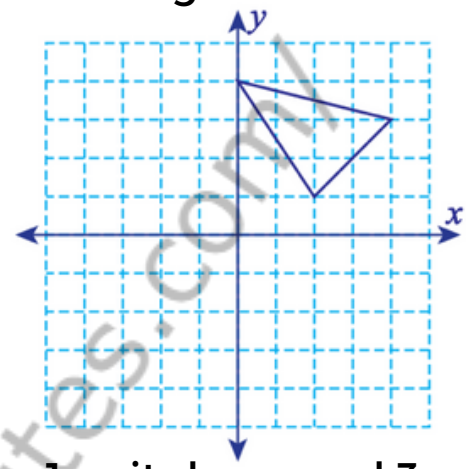
Translation of Triangles

Graph the image of each triangle using the given translation.

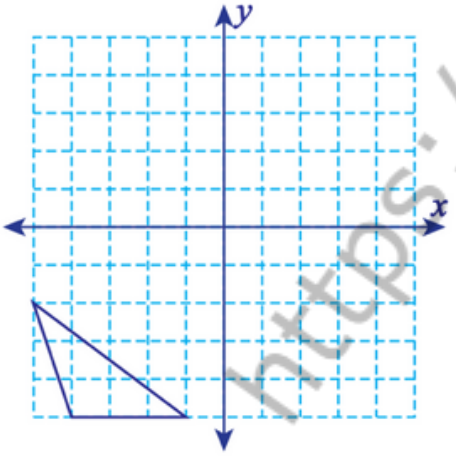
1) 8 units left and 2 units down



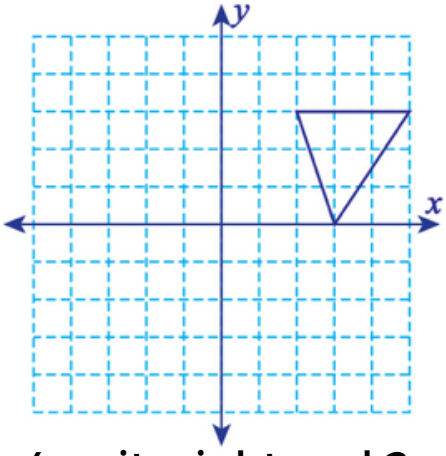
2) 5 units down and 1 unit right



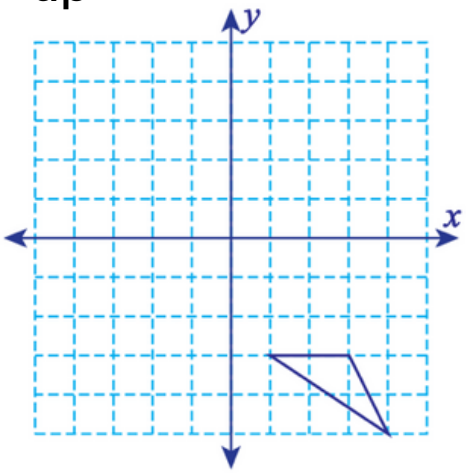
3) 2 units up



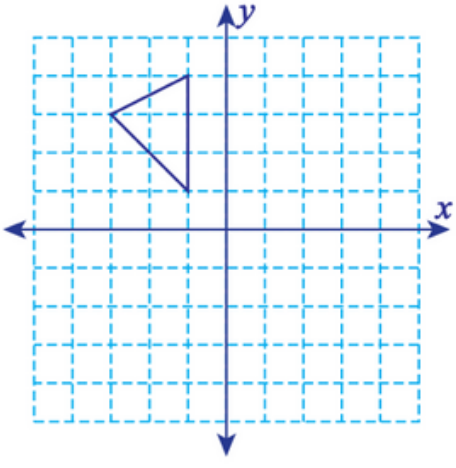
4) 1 unit down and 3 units left



5) 6 units left and 7 units up

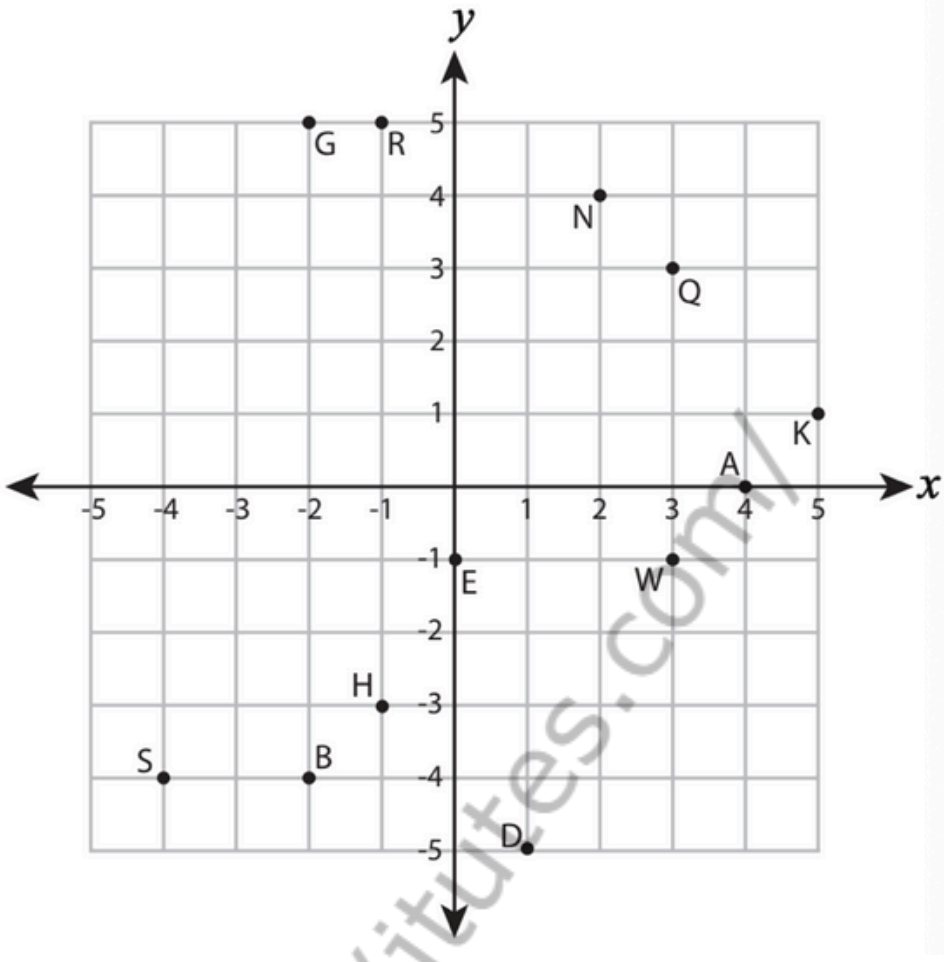


6) 4 units right and 2 units down



CHAPTER 4 - PLOTTING POINTS

CHAPTER 4 - PLOTTING POINTS



A) Write the point that is located at each ordered pair.

1) (2 , 4) _____ 2) (-2 , 5) _____

3) (-4 , -4) _____ 4) (5 , 1) _____

5) (1 , -5) _____ 6) (-2 , -4) _____

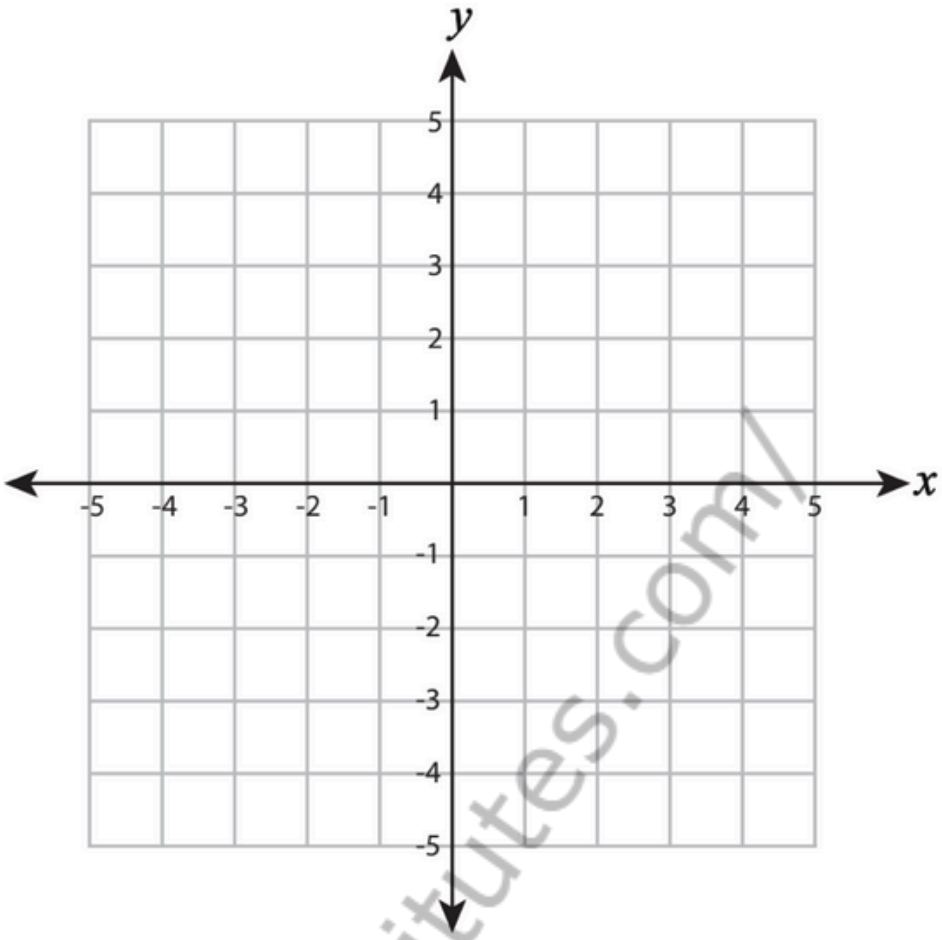
B) Write the ordered pair for each point.

1) Q (_____ , _____) 2) E (_____ , _____)

3) H (_____ , _____) 4) R (_____ , _____)

5) W (_____ , _____) 6) A (_____ , _____)

CHAPTER 4 - PLOTTING POINTS



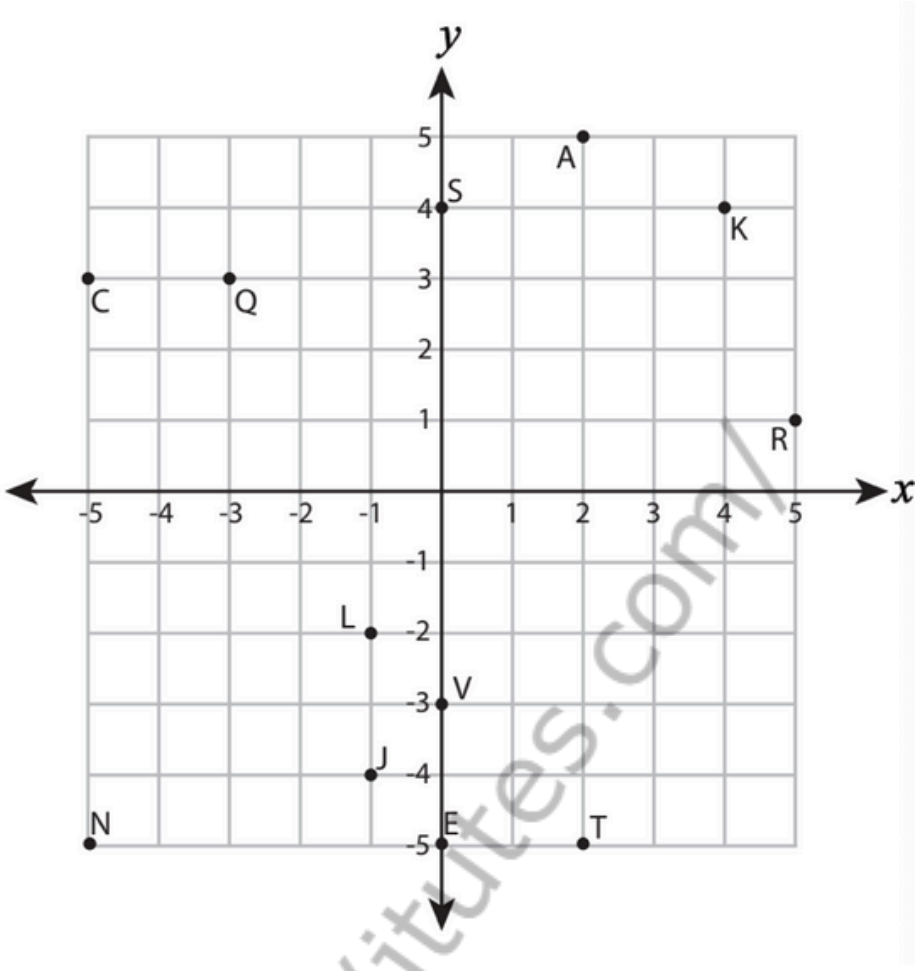
C) Plot each point on the coordinate grid.

1) U (-3 , -3)
2) S (-4 , 5)
3) F (0 , -4)
4) X (2 , 2)
5) T (1 , -1)
6) K (5 , -2)

D) Draw each shape on the coordinate grid.

1) Draw ▭ at (1 , 3)
3) Draw △ at (-5 , -5)
5) Draw ☆ at (4 , 1)

CHAPTER 4 - PLOTTING POINTS



A) Write the point that is located at each ordered pair.

1) (-1 , -4) _____ 2) (-3 , 3) _____

3) (2 , 5) _____ 4) (5 , 1) _____

5) (0 , -5) _____ 6) (-5 , -5) _____

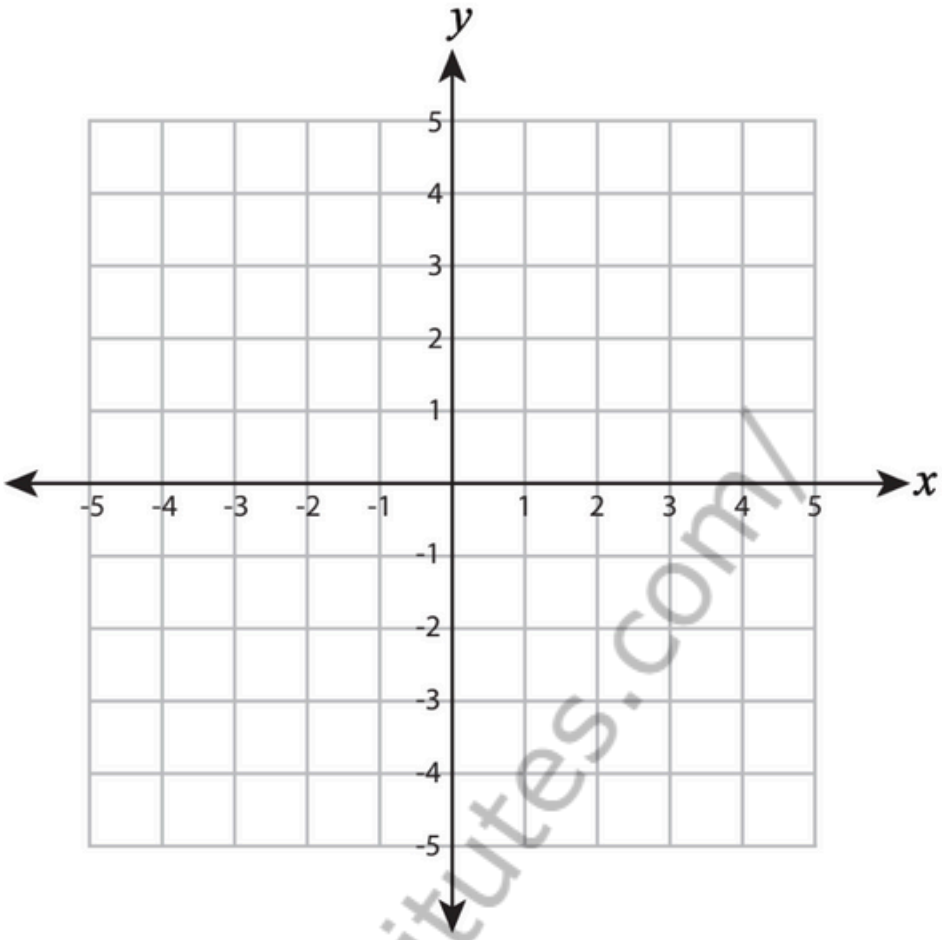
B) Write the ordered pair for each point.

1) L (_____ , _____) 2) K (_____ , _____)

3) V (_____ , _____) 4) T (_____ , _____)

5) C (_____ , _____) 6) S (_____ , _____)

CHAPTER 4 - PLOTTING POINTS



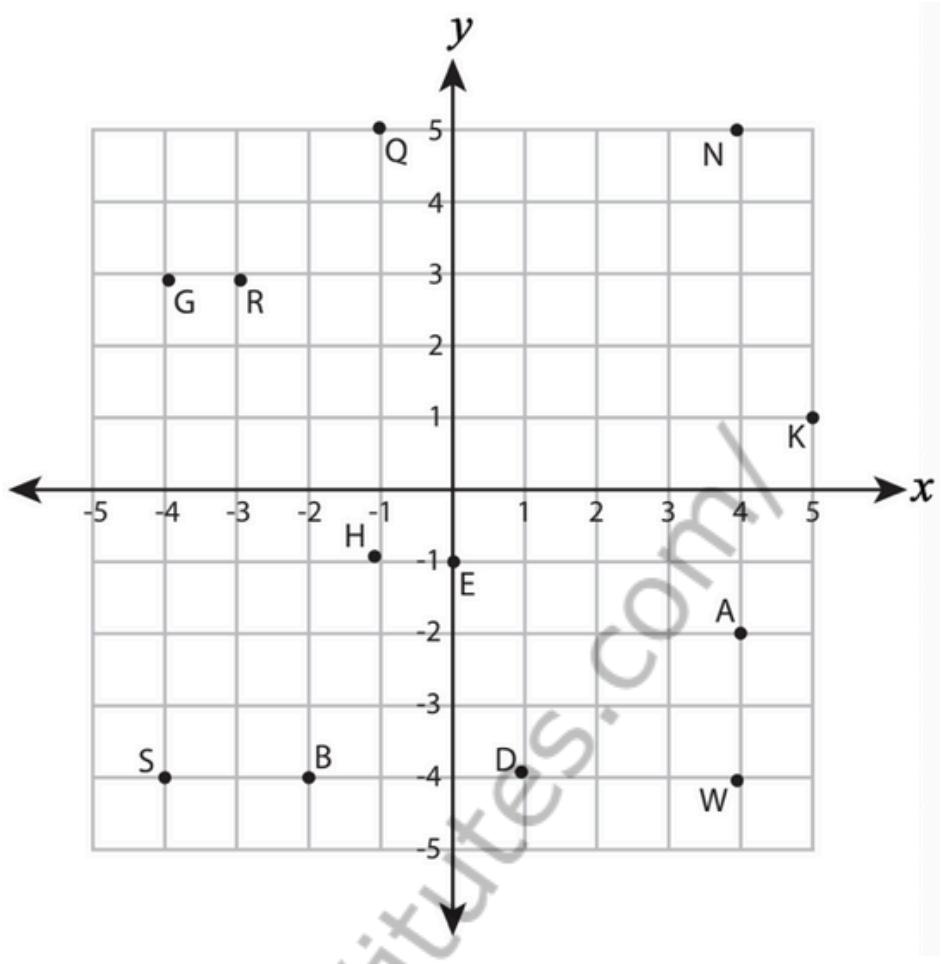
C) Plot each point on the coordinate grid.

1) H (-5 , -3)
2) Z (0 , 1)
3) D (-4 , -4)
4) P (-4 , 2)
5) Y (3 , 5)
6) M (-3 , -1)

D) Draw each shape on the coordinate grid.

1) Draw ◯ at (-1 , -4)
3) Draw △ at (-2 , 5)
5) Draw ☆ at (5 , -5)

CHAPTER 4 - PLOTTING POINTS



A) Write the point that is located at each ordered pair.

1) (4 , 5) _____ 2) (-1 , 5) _____

3) (4 , -4) _____ 4) (5 , 1) _____

5) (1 , -4) _____ 6) (-2 , -4) _____

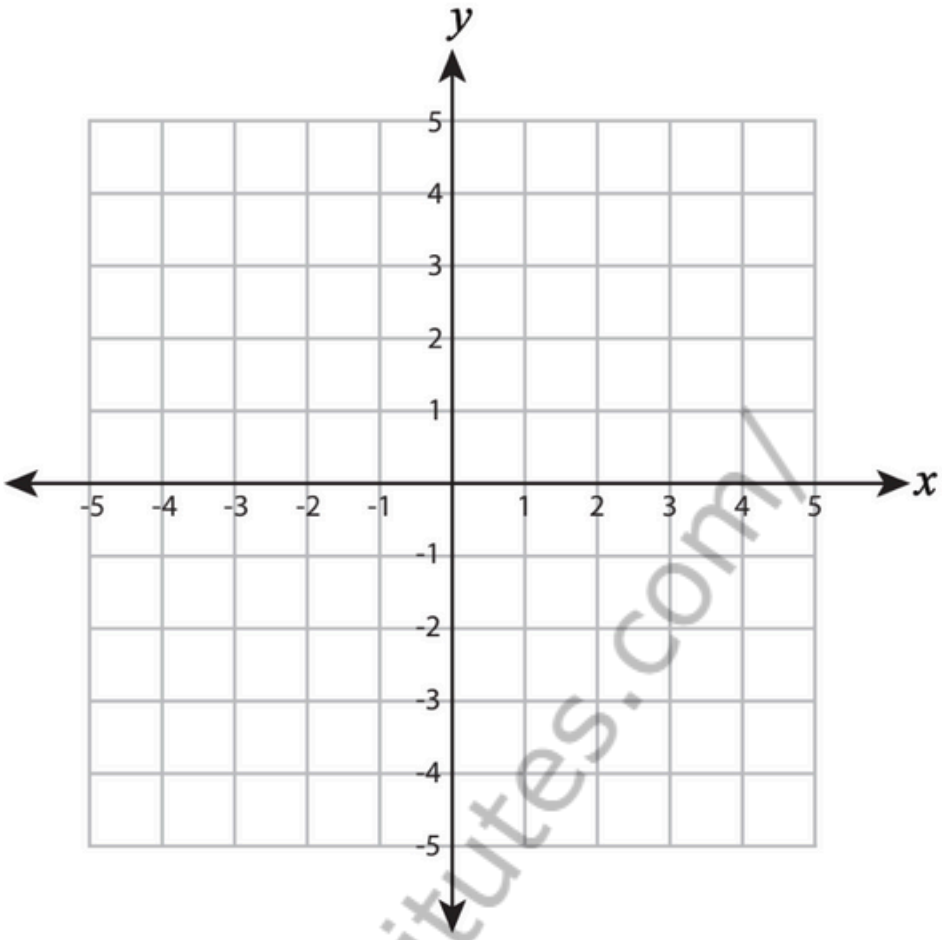
B) Write the ordered pair for each point.

1) Q (_____ , _____) 2) E (_____ , _____)

3) H (_____ , _____) 4) R (_____ , _____)

5) W (_____ , _____) 6) A (_____ , _____)

CHAPTER 4 - PLOTTING POINTS



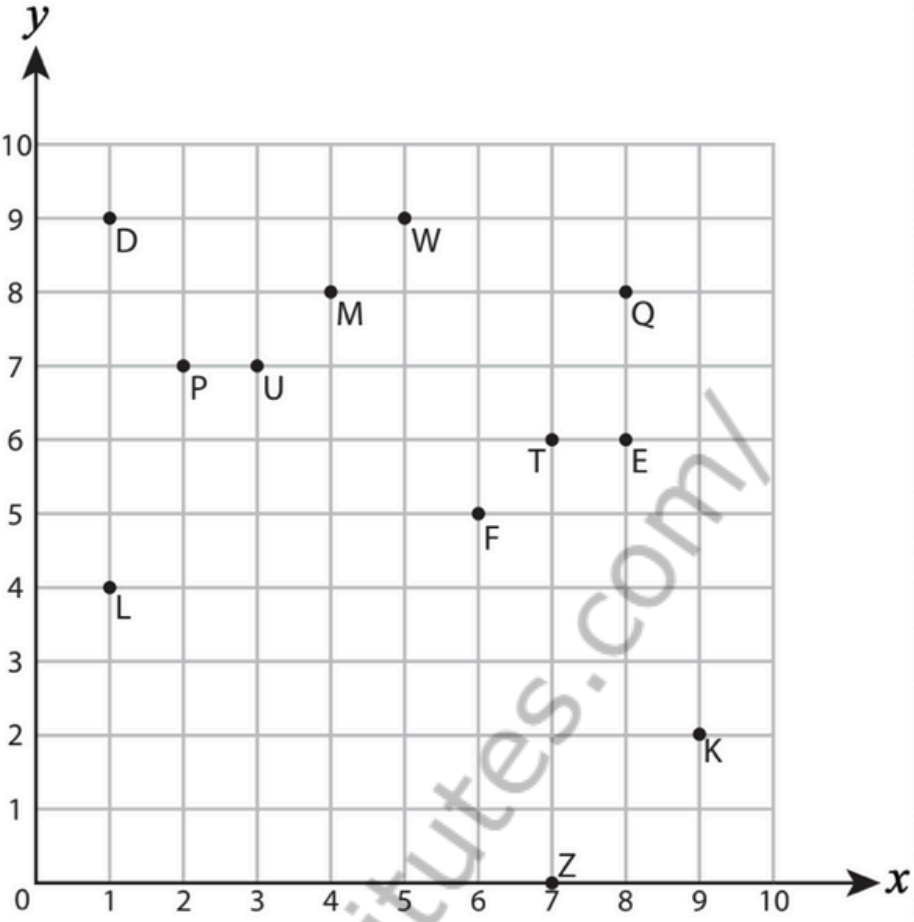
C) Plot each point on the coordinate grid.

1) U (3 , -3)
2) S (-2 , 5)
3) F (0 , -1)
4) X (3 , 2)
5) T (-1 , -1)
6) K (4 , -2)

D) Draw each shape on the coordinate grid.

1) Label A at (3 , 3)
3) Label B at (-1 , -5)
5) Label C at (4 , -1)

CHAPTER 4 - PLOTTING POINTS



A) Write the point that is located at each ordered pair.

1) (3 , 7) _____ 2) (7 , 0) _____

3) (9 , 2) _____ 4) (5 , 9) _____

5) (1 , 4) _____ 6) (8 , 8) _____

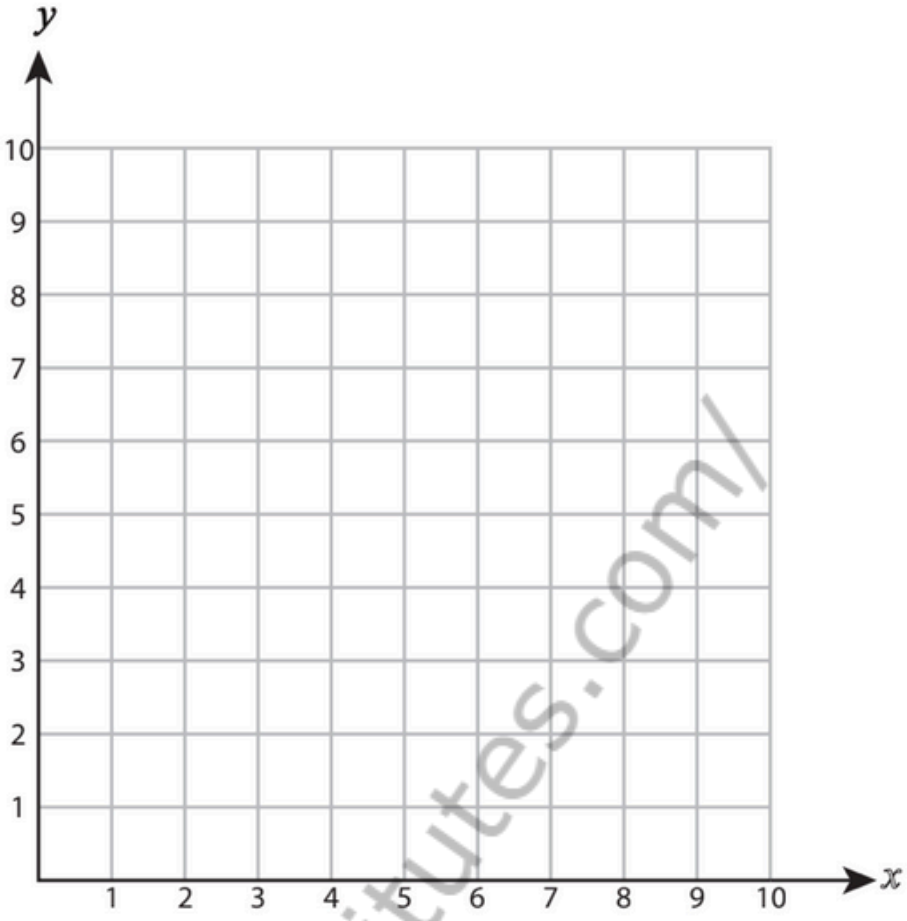
B) Write the ordered pair for each point.

1) D (_____ , _____) 2) F (_____ , _____)

3) T (_____ , _____) 4) E (_____ , _____)

5) M (_____ , _____) 6) P (_____ , _____)

CHAPTER 4 - PLOTTING POINTS



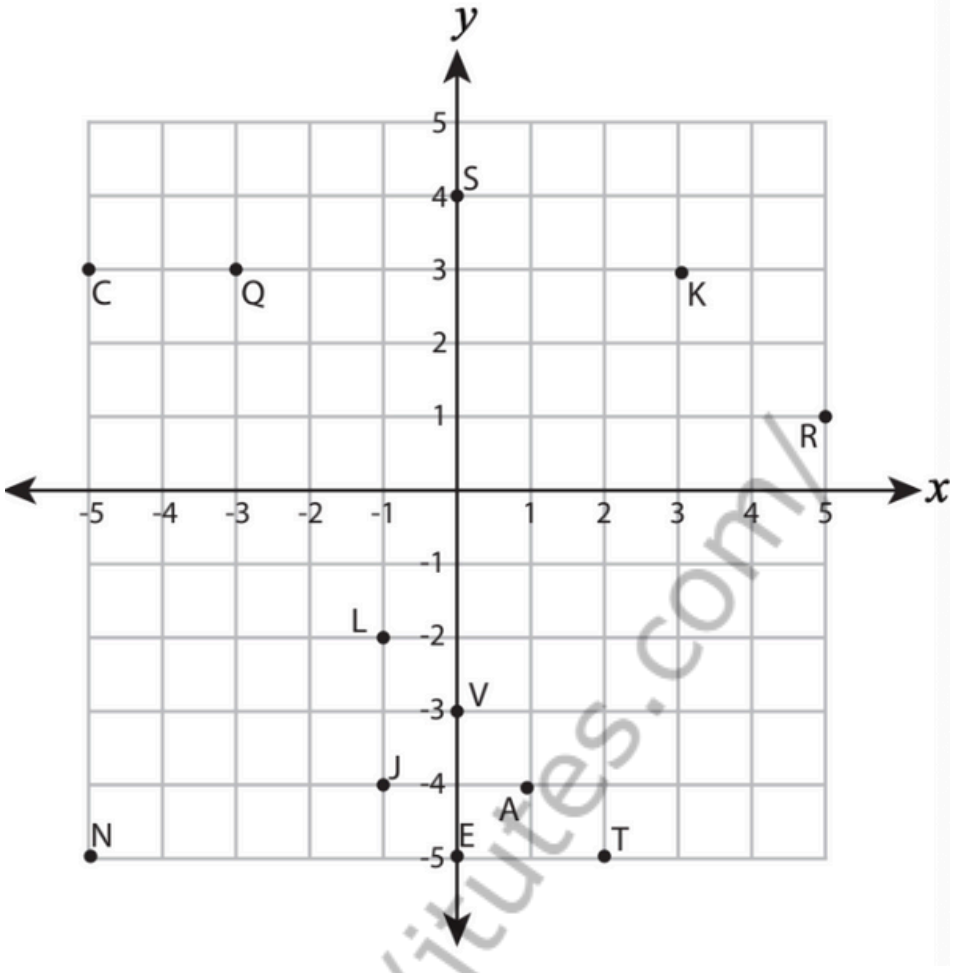
C) Plot each point on the coordinate grid.

1) A (1 , 3)
2) S (10 , 5)
3) N (4 , 9)
4) J (7 , 4)
5) C (8 , 3)
6) Y (9 , 7)

D) Draw each shape on the coordinate grid.

1) Draw △ at (0 , 5)
3) Draw ○ at (2 , 10)
5) Draw □ at (5 , 5)

CHAPTER 4 - PLOTTING POINTS



A) Write the point that is located at each ordered pair.

1) (1 , -4) _____ 2) (3 , 3) _____

3) (-5 , 3) _____ 4) (5 , 1) _____

5) (0 , -5) _____ 6) (-5 , -5) _____

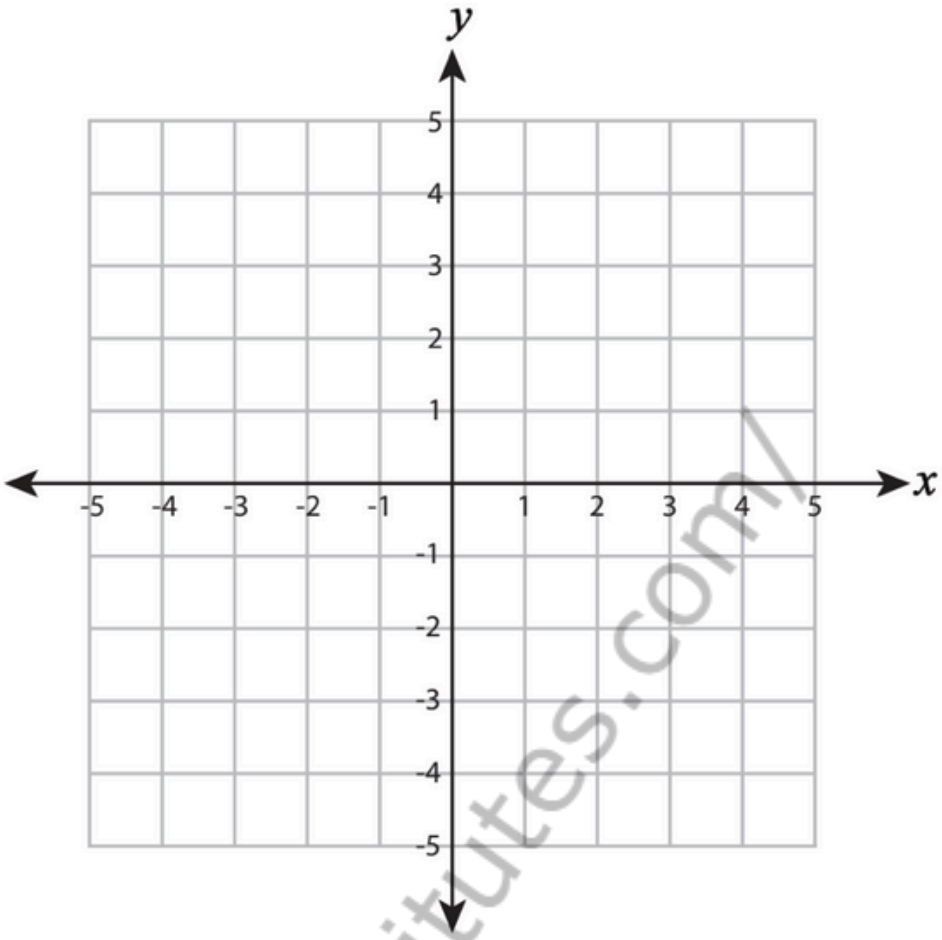
B) Write the ordered pair for each point.

1) L (_____ , _____) 2) K (_____ , _____)

3) V (_____ , _____) 4) T (_____ , _____)

5) C (_____ , _____) 6) S (_____ , _____)

CHAPTER 4 - PLOTTING POINTS



C) Plot each point on the coordinate grid.

1) H (-5 , -3)
2) Z (0 , 1)
3) D (4 , -4)
4) P (-4 , 2)
5) Y (3 , 5)
6) M (-3 , -1)

D) Draw each shape on the coordinate grid.

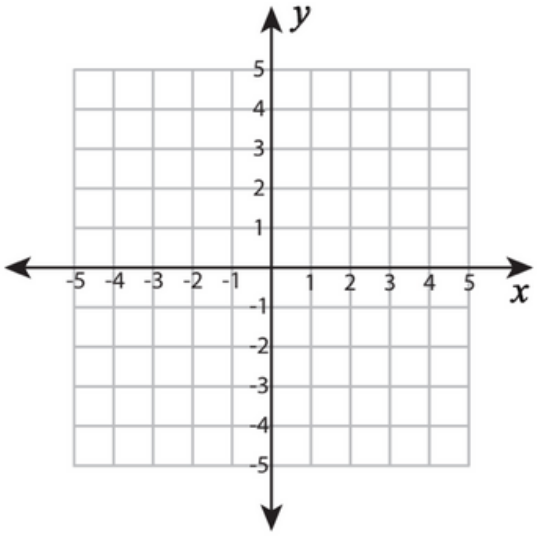
1) Label A at (0 , 3)
3) Label B at (2 , -5)
5) Label C at (0 , -1)

CHAPTER 4 - PLOTTING POINTS

Plotting Point - Shapes

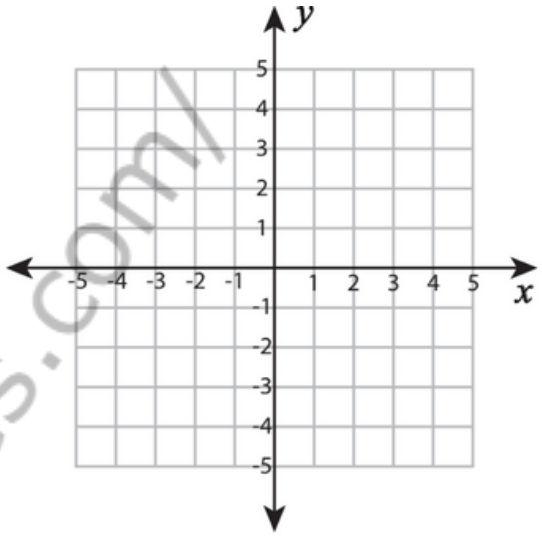
Plot and join the points in the given order. Complete the figure by joining the end points.

1) (5 , 3) , (5 , -3) , (2 , -3) , (2 , 3)



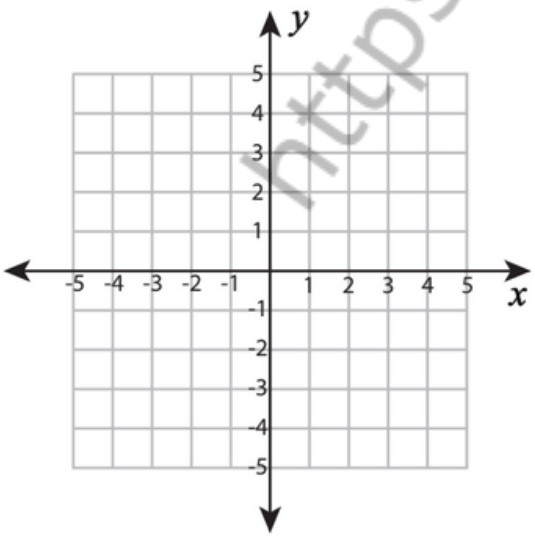
Shape: _____

2) (-1 , 2) , (1 , 2) , (2 , 0) , (1 , -2)



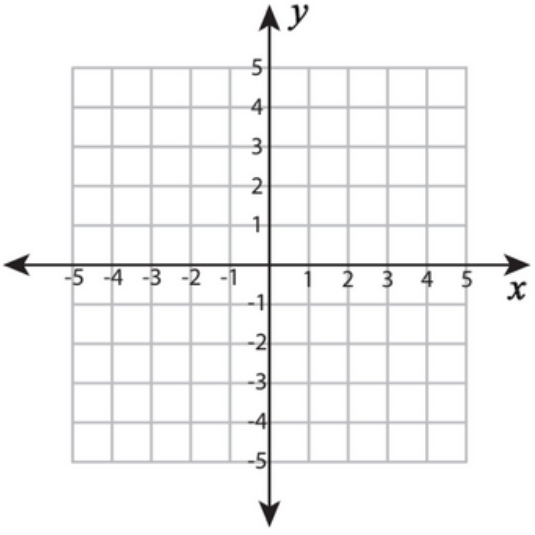
Shape: _____

3) (-2 , -1) , (1 , -1) , (1 , -4) , (-2 , -4)



Shape: _____

4) (-4 , 1) , (-1 , 3) , (4 , 1) , (3 , -3) , (-1 , -3)



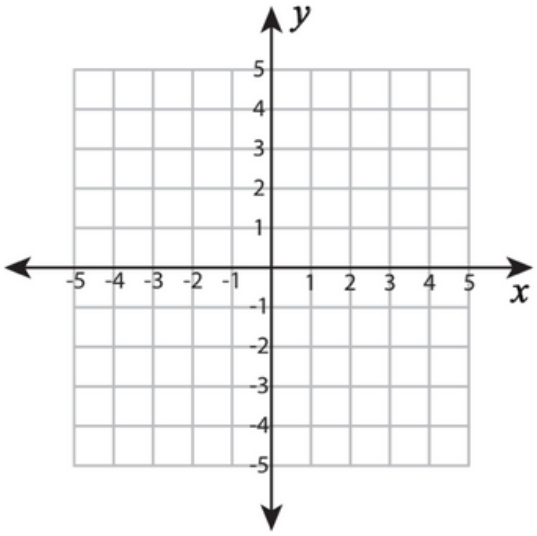
Shape: _____

CHAPTER 4 - PLOTTING POINTS

Plotting Point - Shapes

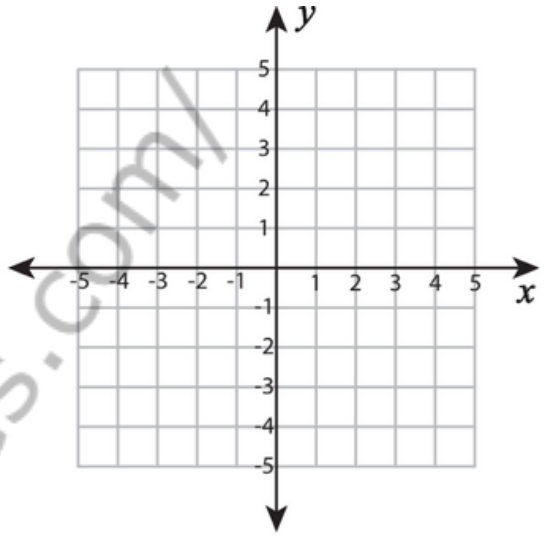
Plot and join the points in the given order. Complete the figure by joining the end points.

1) (5 , 2) , (5 , -2) , (-2 , 3) , (1 , 3)



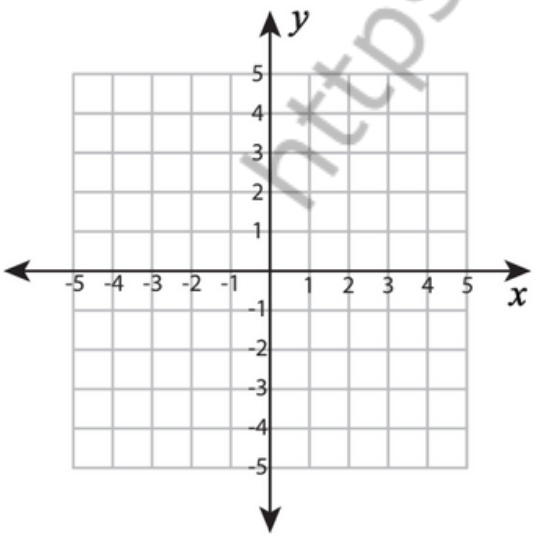
Shape: _____

2) (-2 , 2) , (1 , 3) , (2 , 2) , (1 , 2)



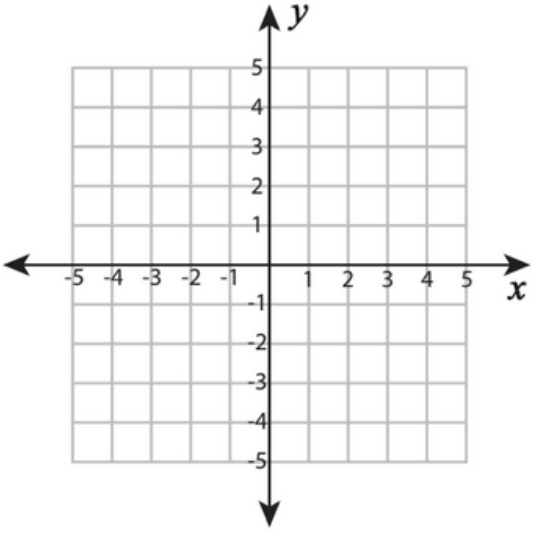
Shape: _____

3) (-1 , -1) , (0 , -1) , (2 , -4) , (-3 , -4)



Shape: _____

4) (-4 , 0) , (-1 , 2) , (4 , 5) , (4 , -3) , (0 , -3)



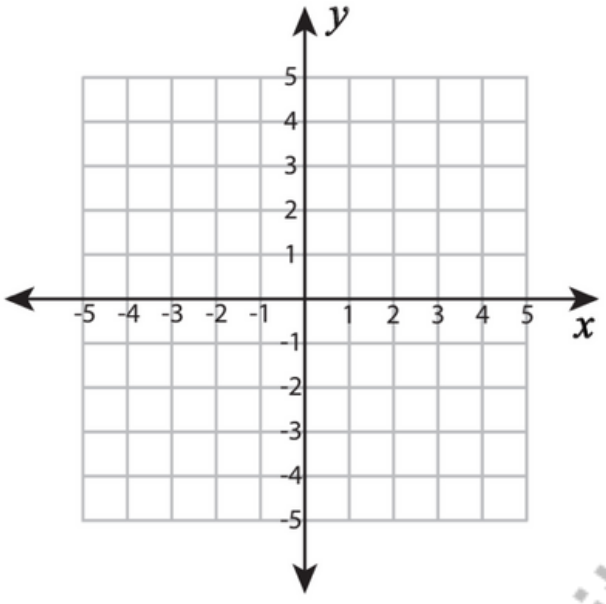
Shape: _____

CHAPTER 4 - PLOTTING POINTS

Plotting Point - Shapes

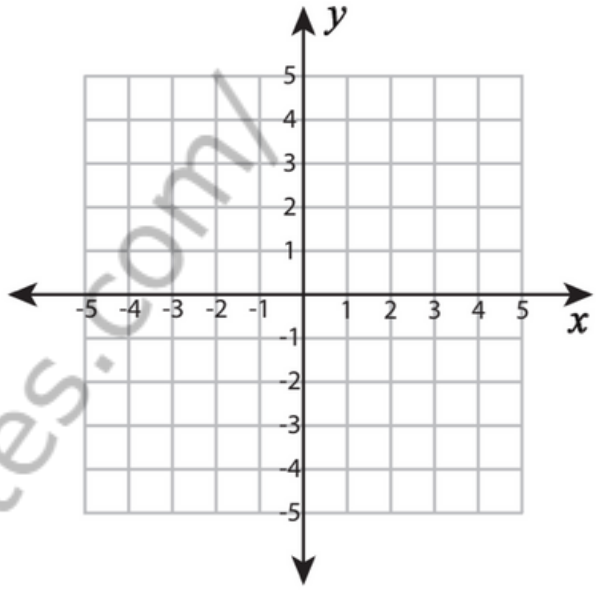
Plot and join the points in the given order. Complete the figure by joining the end points.

1) (-2 , -4) , (1 , 1) , (4 , -4)



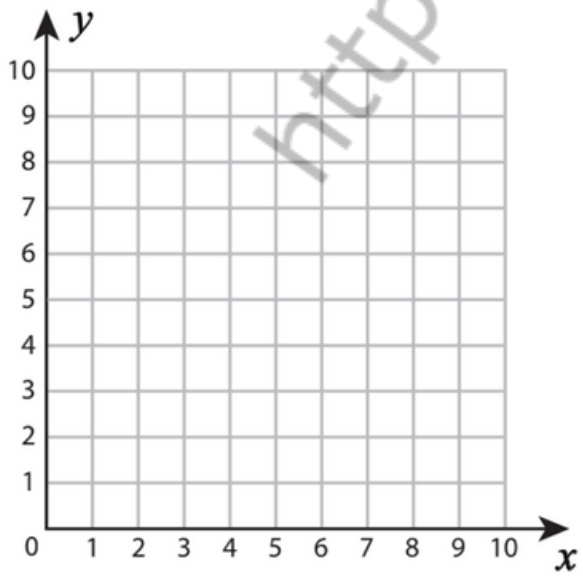
Shape: _____

2) (-1 , 2) , (2 , 5) , (2 , -5) , (-1 , -2)



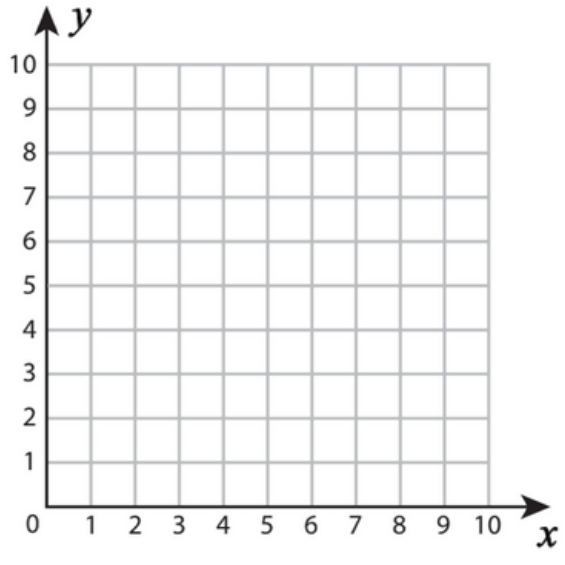
Shape: _____

3) (5 , 3) , (5 , 7) , (10 , 3)



Shape: _____

4) (3 , 4) , (7 , 4) , (8 , 2) , (4 , 2)



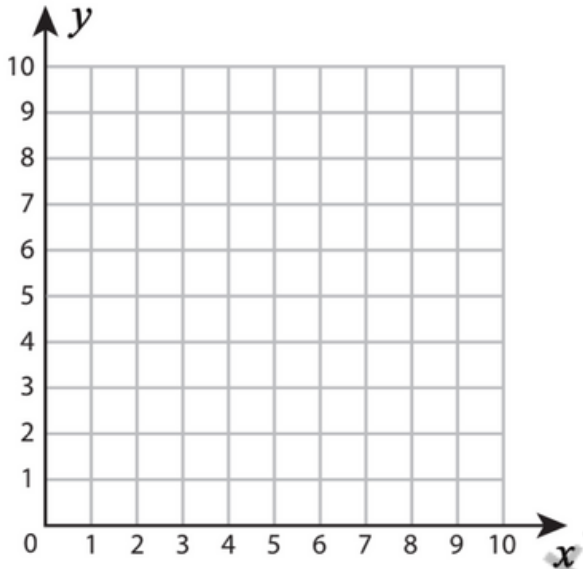
Shape: _____

CHAPTER 4 - PLOTTING POINTS

Plotting Point - Shapes

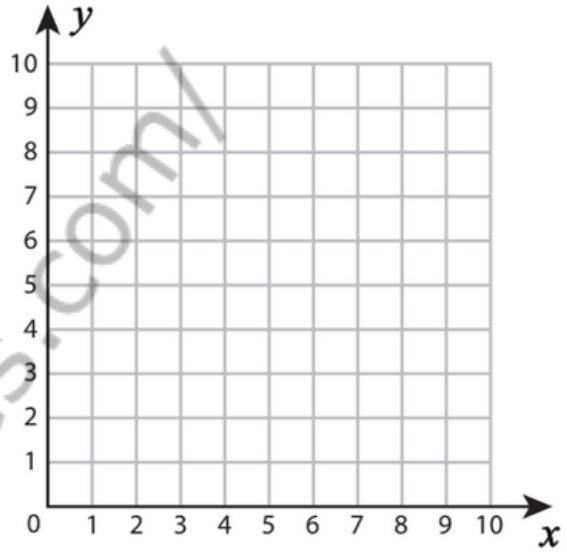
Plot and join the points in the given order. Complete the figure by joining the end points.

1) (5 , 9) , (7 , 7) , (6 , 4) , (4 , 4) , (3 , 7)



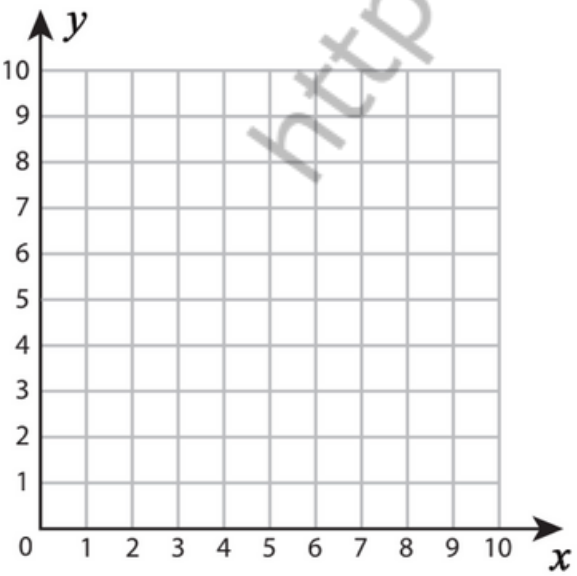
Shape: _____

2) (3 , 2) , (5 , 4) , (7 , 4) , (9 , 2)



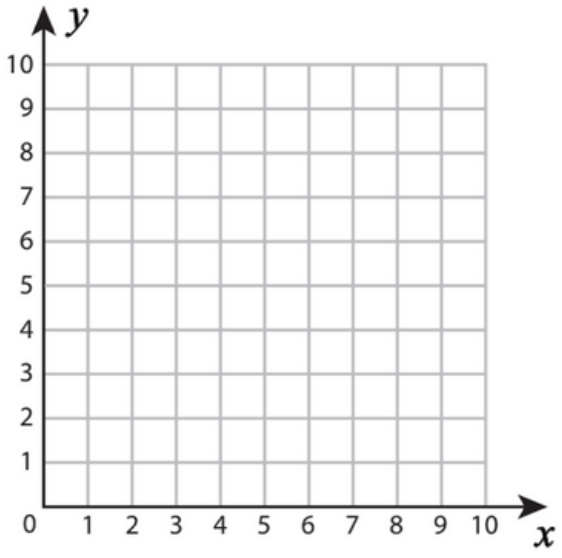
Shape: _____

3) (3 , 5) , (6 , 5) , (6 , 2) , (3 , 2)



Shape: _____

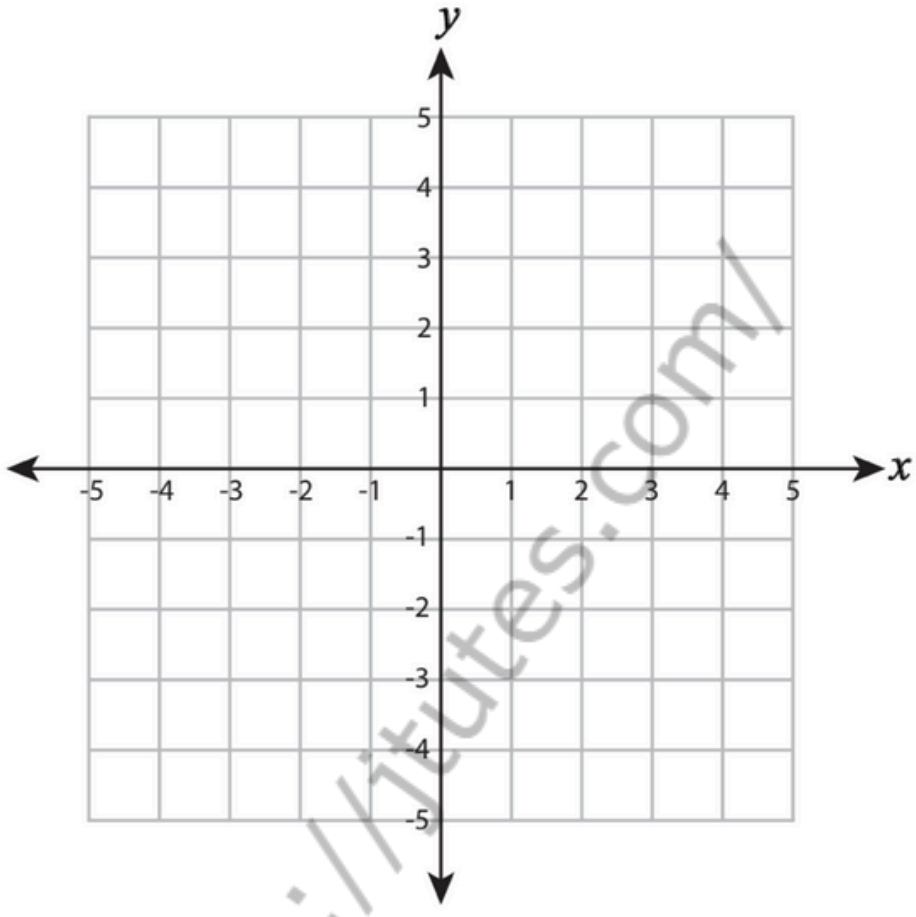
4) (2 , 7) , (9 , 7) , (9 , 3) , (2 , 3)



Shape: _____

CHAPTER 4 - PLOTTING POINTS

A) Plot each point on the coordinate grid.



1) D (-2 , 3)

2) H (-1 , -5)

3) K (2 , 2)

4) U (2 , 4)

5) E (-1 , -1)

6) L (-3 , 5)

7) P (0 , 5)

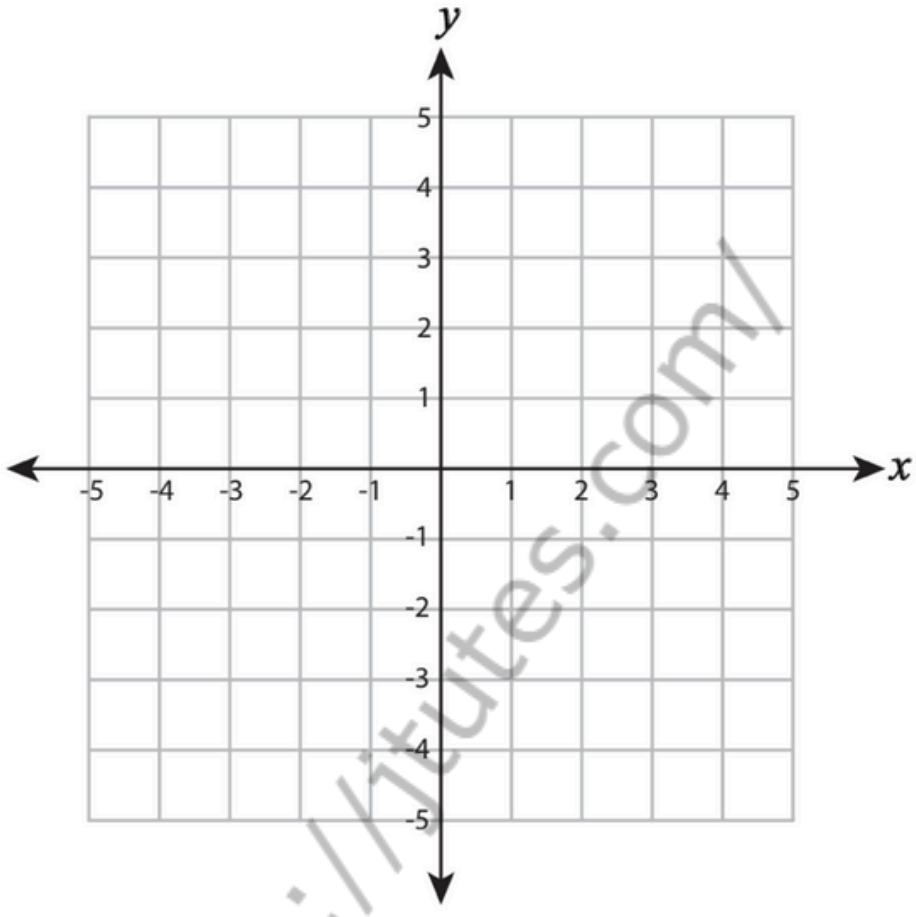
8) A (-3 , -4)

9) C (1 , 4)

10) G (-1 , 0)

CHAPTER 4 - PLOTTING POINTS

B) Draw each shape on the coordinate grid.



1) Draw  at (5 , 0)

2) Draw  at (-4 , 5)

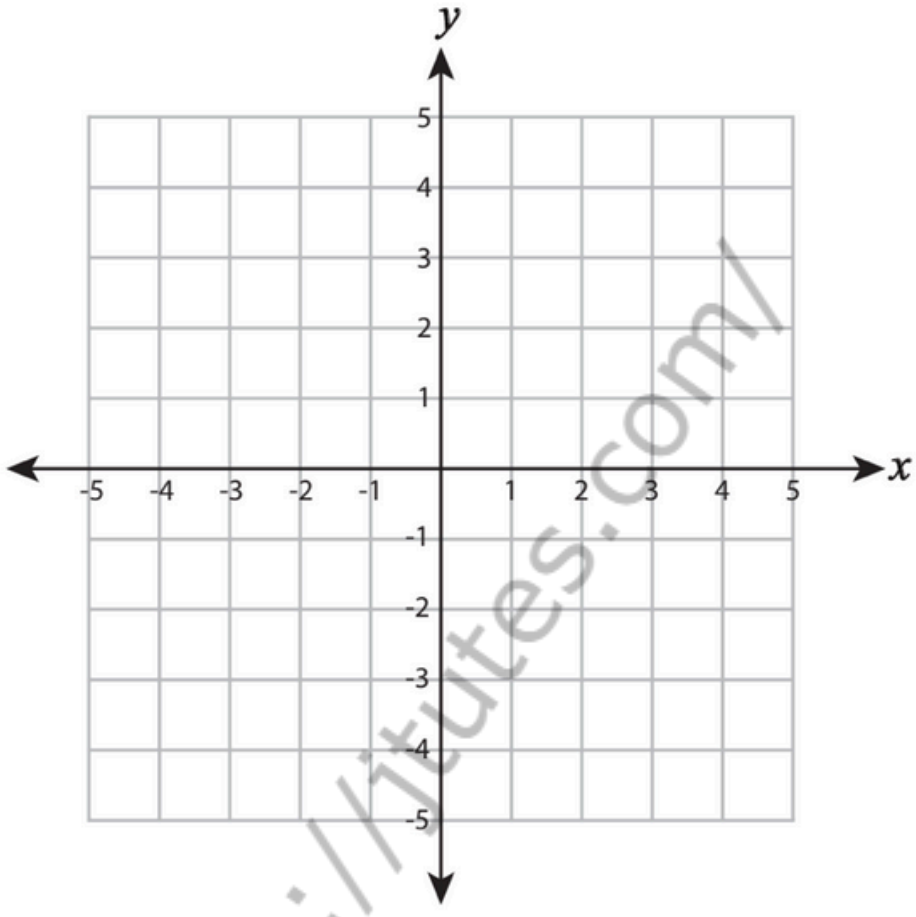
3) Draw  at (-1 , -3)

4) Draw  at (0 , 5)

5) Draw  at (4 , -4)

CHAPTER 4 - PLOTTING POINTS

A) Plot each point on the coordinate grid.



1) J (1 , 3)

2) L (-5 , 1)

3) F (-4 , -1)

4) Y (3 , 1)

5) T (5 , 5)

6) E (-4 , 0)

7) Q (-1 , 4)

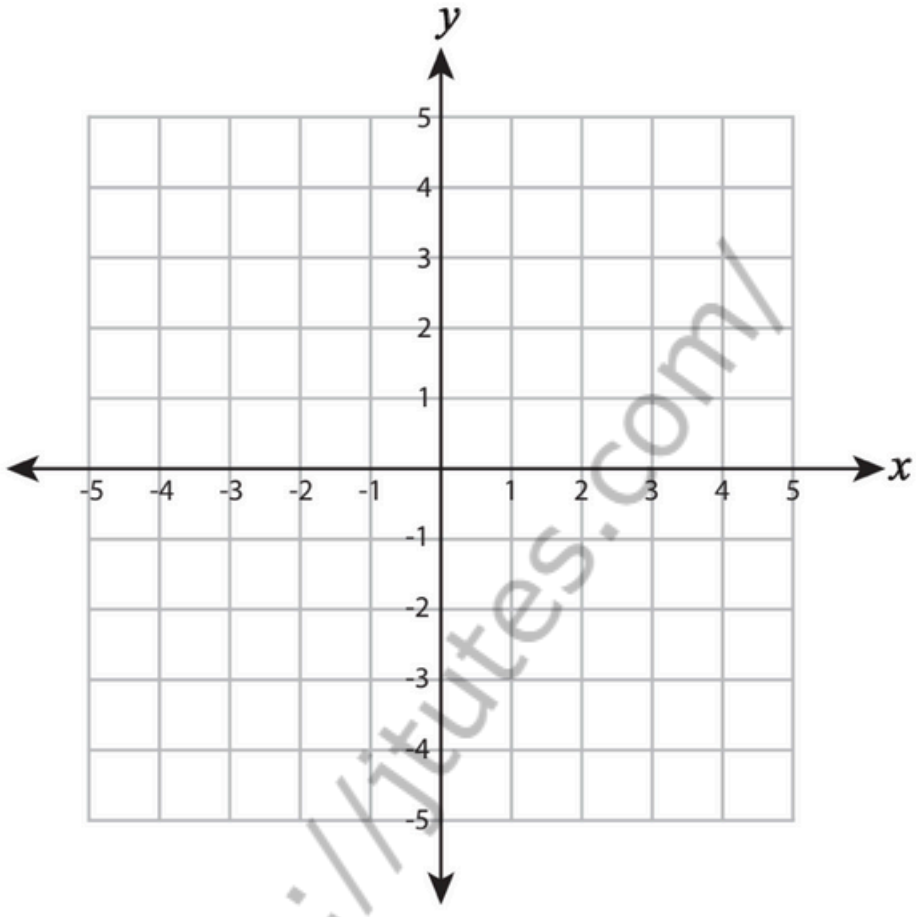
8) X (-5 , -3)

9) Z (2 , -3)

10) H (-4 , 2)

CHAPTER 4 - PLOTTING POINTS

B) Draw each shape on the coordinate grid.



1) Draw ◯ at (4 , 3)

2) Draw ☆ at (1 , -5)

3) Draw ▭ at (-4 , -5)

4) Draw △ at (5 , -4)

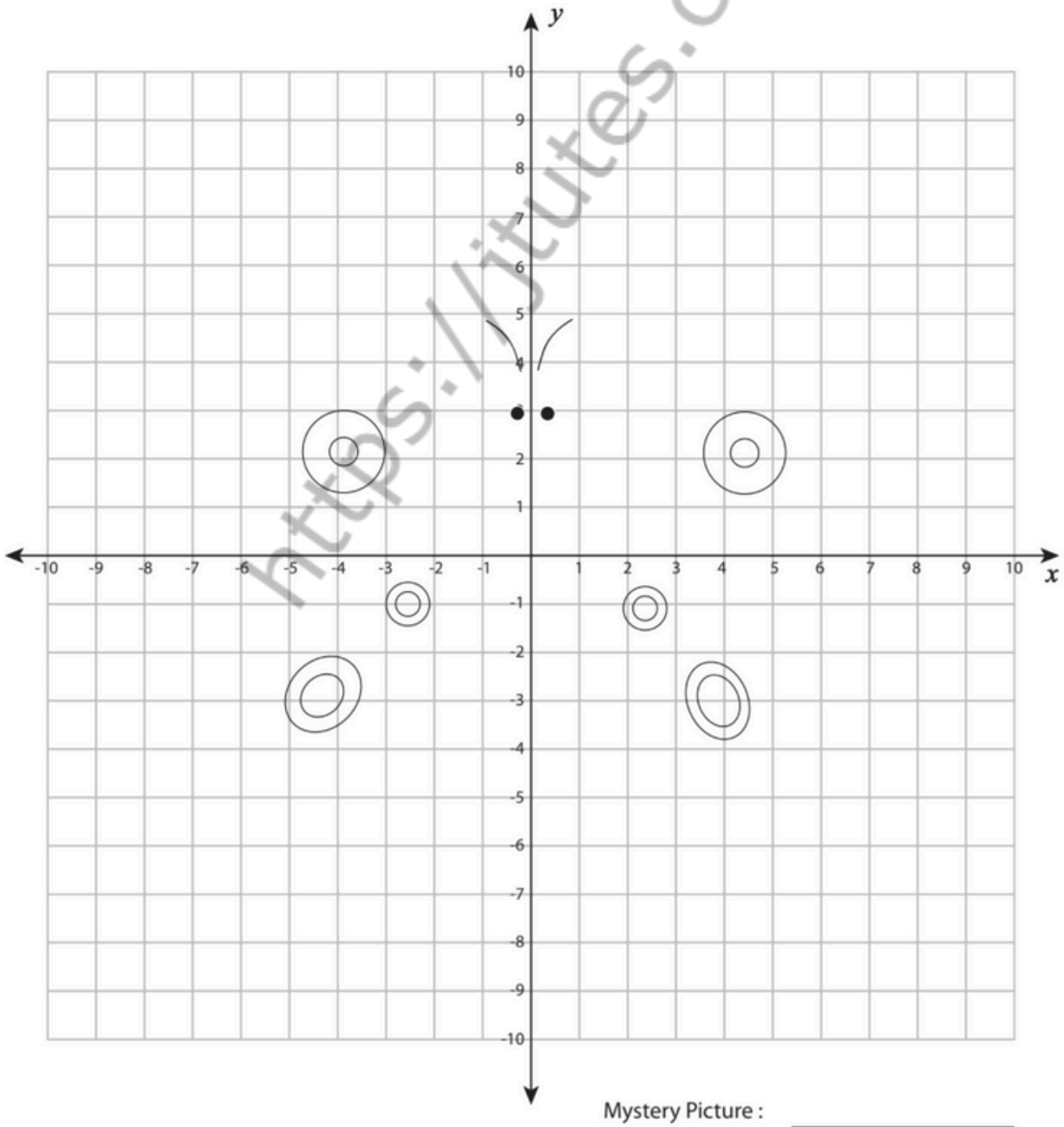
5) Draw □ at (0 , -2)

CHAPTER 4 - PLOTTING POINTS

Mystery Picture

Plot and join the points in the given order. Identify the mystery picture.

Start (0 , 4) , (1 , 3) , (1 , -2) , (0 , -3) , (-1 , -2) , (-1 , 2) , (-1 , 3) , End (0 , 4)
Start (-1 , 3) , (-2 , 4) , (-5 , 4) , (-7 , 3) , (-8 , 1) , (-6 , 0) , (-4 , 0) , (-2 , 1) , End (-1 , 2)
Start (-4 , 0) , (-6 , -2) , (-6 , -4) , (-4 , -5) , (-2 , -4) , End (-1 , -2)
Start (1 , 3) , (2 , 4) , (5 , 4) , (7 , 3) , (8 , 1) , (6 , 0) , (4 , 0) , (2 , 1) , End (1 , 2)
Start (4 , 0) , (6 , -2) , (6 , -4) , (4 , -5) , (2 , -4) , End (1 , -2)



Mystery Picture : _____

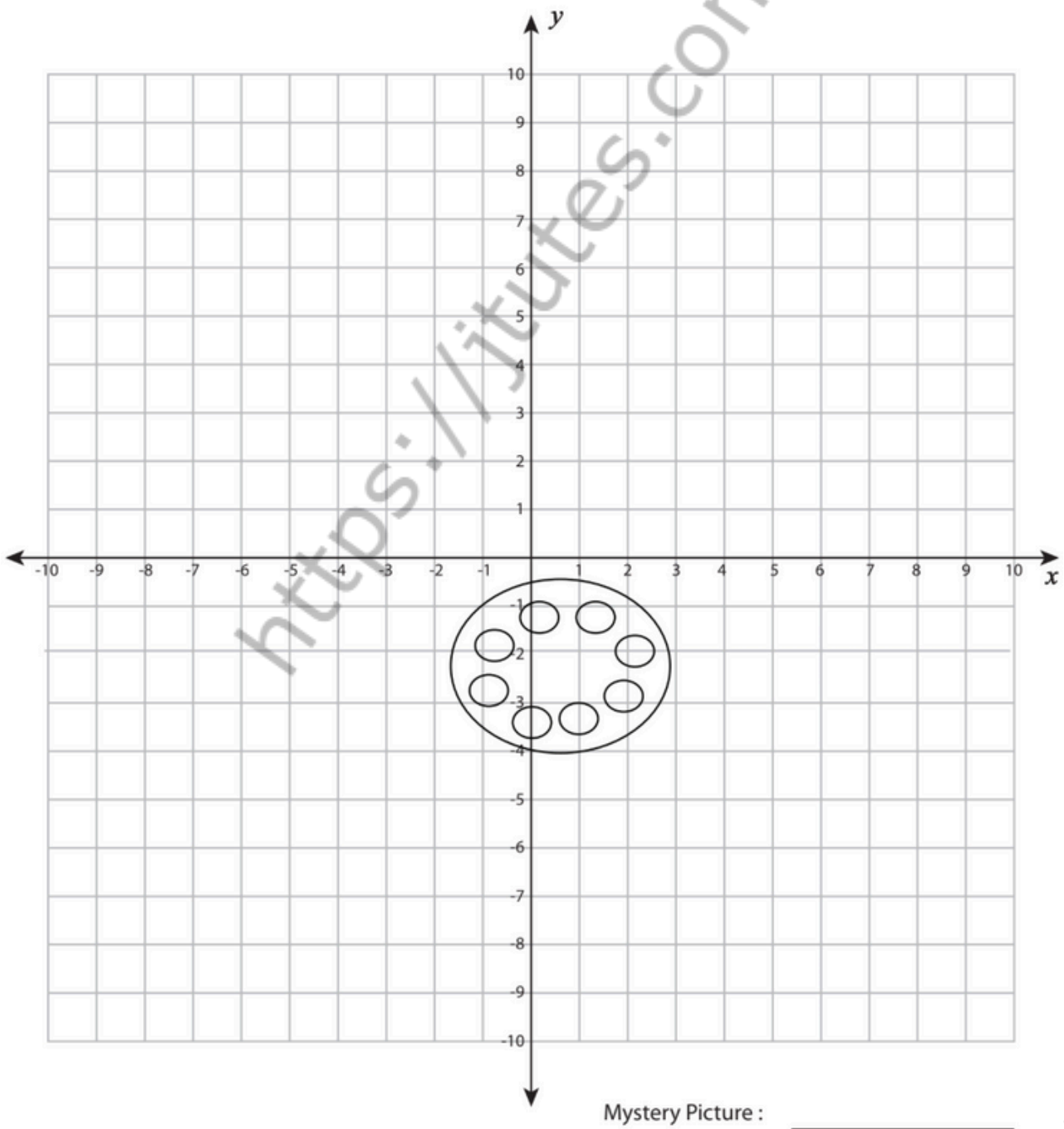
CHAPTER 4 - PLOTTING POINTS

Mystery Picture

Plot and join the points in the given order. Identify the mystery picture.

Start (-3 , 3) , (-4 , 3) , (-6 , 0) , (-8 , 0) , (-9 , 2) , (-7 , 5) , (-2 , 6) , (3 , 6) , (8 , 5) , (10 , 2) , (9 , 0) , (7 , 0) , (5 , 3) , End (4 , 3)

Start (-3 , 3) , (-1 , 3) , (-1 , 1) , (2 , 1) , (2 , 3) , (4 , 3) , (8 , -2) , (6 , -7) , (-5 , -7) , (-7 , -2) , End (-3 , 3)



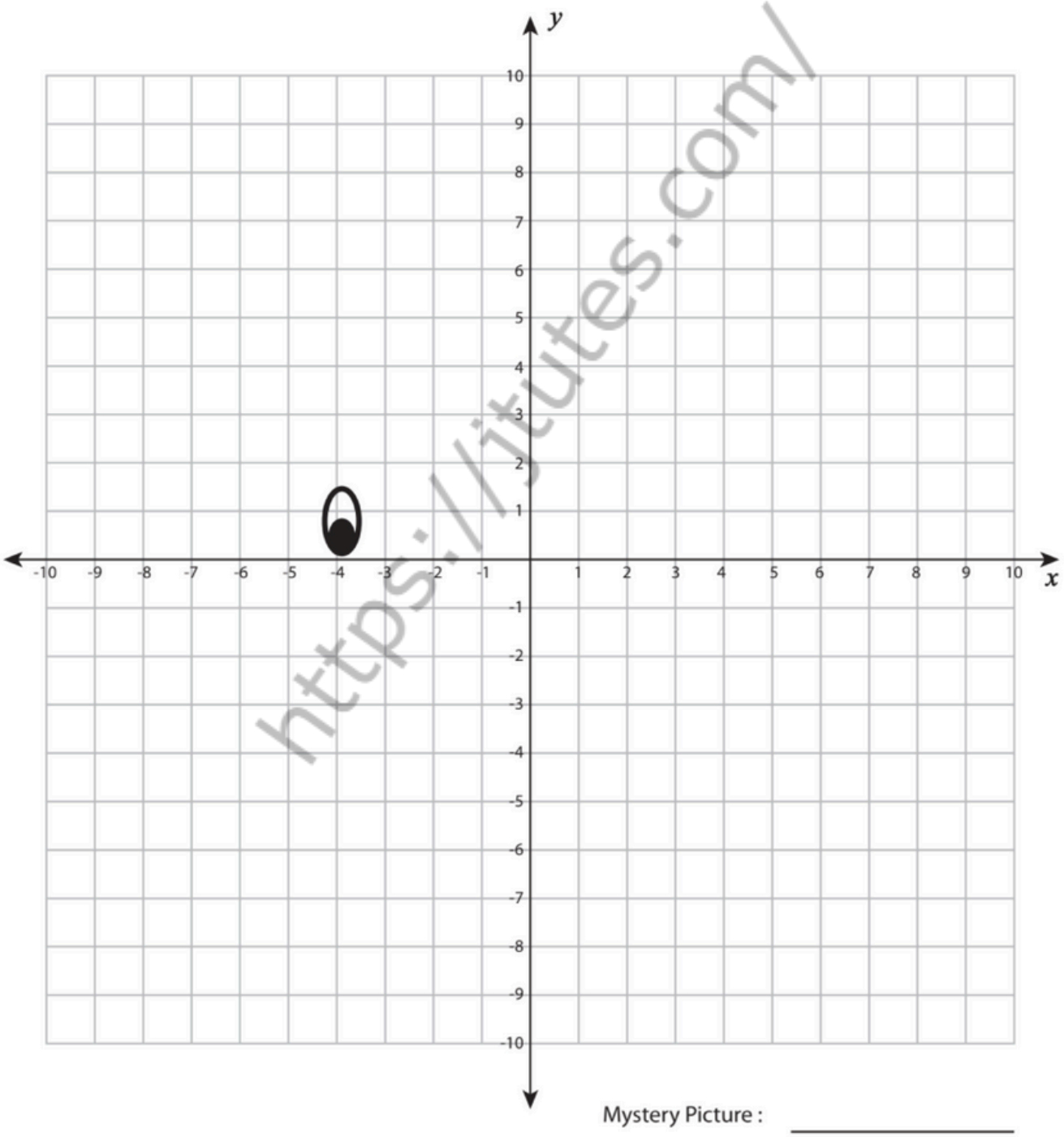
Mystery Picture : _____

CHAPTER 4 - PLOTTING POINTS

Mystery Picture

Plot and join the points in the given order. Complete the picture by joining the end points. Identify the mystery picture.

(-6 , 0) , (-5 , 2) , (-3 , 3) , (-1 , 4) , (1 , 4) , (4 , 2) , (7 , 4) , (5 , 0) , (7 , -4) , (4 , -2) , (1 , -4) , (-1 , -4) , (-3 , -3) , (-5 , -2)



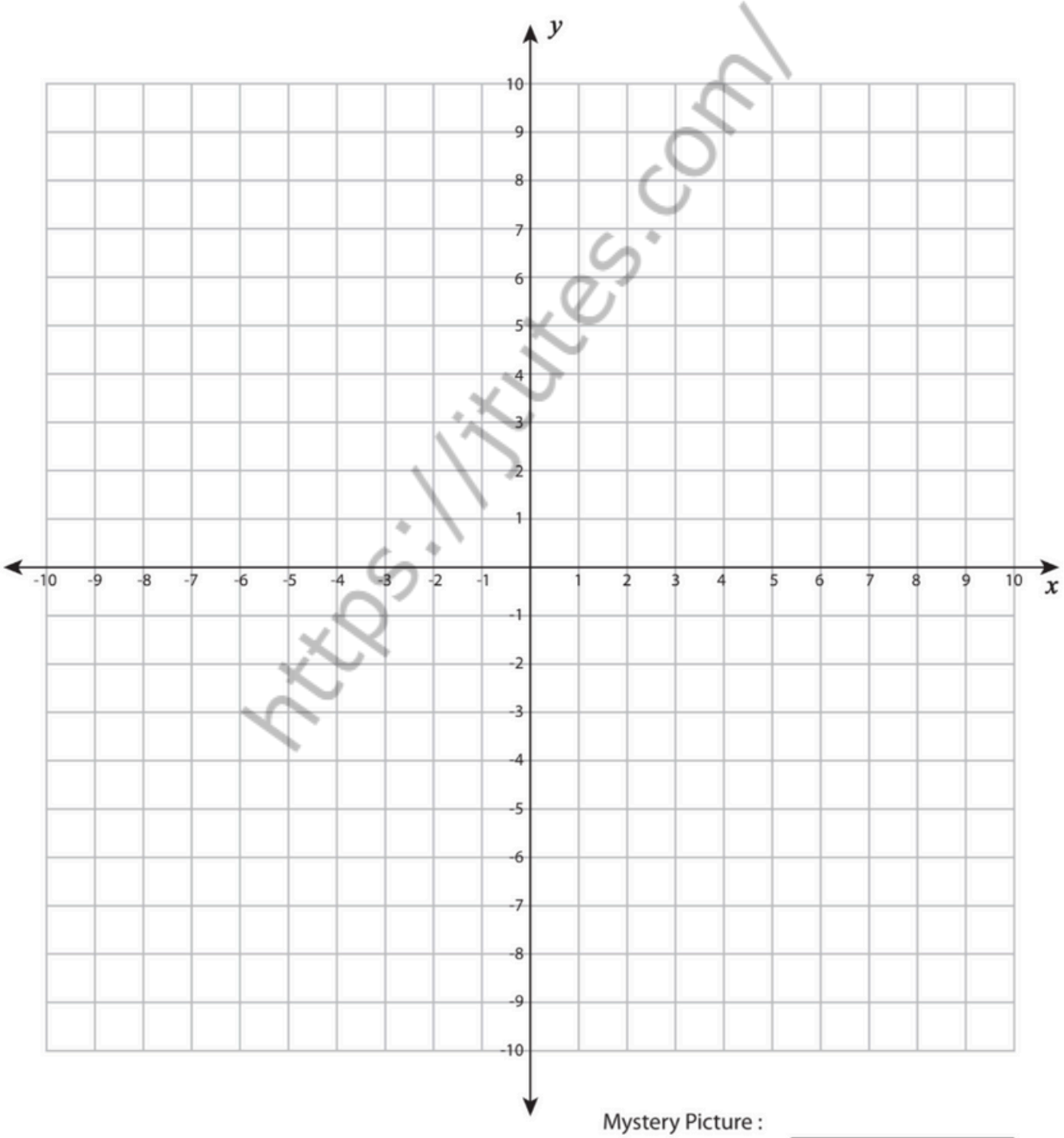
Mystery Picture : _____

CHAPTER 4 - PLOTTING POINTS

Mystery Picture

Plot and join the points in the given order. Complete the picture by joining the end points. Identify the mystery picture.

(-8 , 1) , (-8 , 2) , (-6 , 2) , (-7 , 5) , (-6 , 5) , (-4 , 2) , (1 , 1) , (2 , 5) , (3 , 4) , (3 , 1) , (8 , -1) , (9 , -3) , (7 , -4) , (4 , -3) , (1 , -2) , (-4 , -4) , (-5 , -3) , (-1 , -1) , (-3 , 0) , (-5 , 1)



Mystery Picture : _____

CHAPTER 5 - PROBABILITY (I)

CHAPTER 5 - PROBABILITY (I)

Identify the suitable events

Identify more likely, less likely, equally likely, sure and impossible events:

Problems	Answer
Selection of a white ball from a box with 5 white balls, 8 red balls and 10 yellow balls.	
Selection of a black card from a deck of cards	
Occurrence of even number when a die is rolled.	
Selection of red marble from a box with 12 red marbles.	
Selection of red marble from a box with 12 white balls.	
Selecting a boy for a field trip from a group of 35 students with 12 girls.	

CHAPTER 5 - PROBABILITY (I)

Fair Coin Worksheet

A fair coin is tossed.

Problems	Work Space
Find all possible outcomes Answer:	
Find the probability of showing head Answer:	
Find the probability of showing tail Answer:	
Find the probability of showing either head or tail Answer:	
Find the probability of showing neither head nor tail Answer:	

CHAPTER 5 - PROBABILITY (I)

Coins Worksheet

Two fair coins are simultaneously tossed

Problems	Work Space
Find all possible outcomes Answer:	
Find the probability of showing head on the first coin Answer:	
Find the probability of showing tail on the second coin Answer:	
Find the probability of showing at least one head Answer:	
Find the probability of not showing only tails Answer:	

CHAPTER 5 - PROBABILITY (I)

Coins Worksheet

Two fair coins are simultaneously tossed

Problems	Work Space
Find the probability of showing head first and tail next Answer:	
Find the probability of showing either heads or tails but not both Answer:	
Find the probability of not showing either heads or tails on both coins Answer:	
Find the probability of showing either head or tail on the second coin Answer:	
Find the probability of showing either head on the first coin or tail on the second coin Answer:	

CHAPTER 5 - PROBABILITY (I)

Fair Die Worksheet

A fair die is rolled

Problems	Work Space
Find the probability of showing factors of 6? Answer:	
Find the probability of showing factors of 4? Answer:	
Find the probability of showing factors of 3? Answer:	
Find the probability of showing factors of 2? Answer:	
Find the probability of showing factors of 8? Answer:	

CHAPTER 5 - PROBABILITY (I)

Fair Die Worksheet

A fair die is rolled

Problems	Work Space
Find the probability of showing multiple of 3 Answer:	
Find the probability of showing multiple of 5 Answer:	
Find the probability of showing multiple of 2 Answer:	
Find the probability of showing multiple of 1 Answer:	
Find the probability of showing divisors of 8 Answer:	

CHAPTER 5 - PROBABILITY (I)

Fair Die Worksheet

A fair die is rolled

Problems	Work Space
Find the probability of showing even or odd number Answer:	
Find the probability of showing 4 or 5 Answer:	
Find the probability of showing multiples of 2 and multiples of 3? Answer:	
Find the probability of showing multiples of 1 and multiples of 5? Answer:	
Find the probability of showing the number less than 5 and greater than 2? Answer:	

CHAPTER 5 - PROBABILITY (I)

Fair Die Worksheet

A fair die is rolled

Problems	Work Space
Find all possible outcomes Answer:	
Find the probability of showing an even number Answer:	
Find the probability of showing an odd number Answer:	
Find the probability of showing a prime number Answer:	
Find the probability of showing an even prime number Answer:	

CHAPTER 6 - PROBABILITY (II)

CHAPTER 6 - PROBABILITY (II)

Probability Worksheet

A day is chosen from a week.

Problems	Work Space
Find the probability of choosing a Wednesday. Answer:	
Find the probability of selecting a day starts with the letter S. Answer:	
Find the probability of selecting a day starts with the letter T. Answer:	
Find the probability of selecting the weekends. Answer:	
Find the probability of selecting a Sunday. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability Worksheet

A month is chosen from a year.

Problems	Work Space
Find the probability of selecting March. Answer:	
Find the probability of choosing a month starting with the letter M. Answer:	
Find the probability of selecting a month either starting with the letter M or J. Answer:	
Find the probability of selecting a month starting with the letter A. Answer:	
Find the probability of selecting a month with 30 days. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability Worksheet

A month is chosen from a year.

Problems	Work Space
Find the probability of selecting a month with 31 days. Answer:	
Find the probability of selecting a month ending with the letter Y. Answer:	
Find the probability of selecting a month ending with the letter R. Answer:	
Find the probability of choosing a month either starting with the letter J or ending with the letter Y. Answer:	
Find the probability of selecting that starting with the letter J and ending with the letter Y. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability of Numbers Worksheet

Numbers from 1 to 50 are written on a piece of paper and dropped into a box and paper is chosen at random.

Problems	Work Space
Find the probability of choosing multiples of 10. Answer:	
Find the probability of choosing an even number. Answer:	
Find the probability of choosing an odd number. Answer:	
Find the probability of choosing factors of 36. Answer:	
Find the probability of choosing neither odd nor prime. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability of Numbers Worksheet

Numbers from 1 to 50 are written on a piece of paper and dropped into a box and paper is chosen at random.

Problems	Work Space
Find the probability of choosing either multiple of 4 or multiple of 5. Answer:	
Find the probability of choosing numbers greater than 25. Answer:	
Find the probability of choosing numbers less than 30. Answer:	
Find the probability of choosing numbers greater than 10 but less than 30. Answer:	
Find the probability of choosing multiples of 12. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability of Numbers Worksheet

Numbers from 1 to 50 are written on a piece of paper and dropped into a box and paper is chosen at random.

Problems	Work Space
Find the probability of choosing divisors of 48. Answer:	
Find the probability of choosing prime numbers. Answer:	
Find the probability of choosing composite numbers. Answer:	
Find the probability of choosing numbers with 4 in tens places. Answer:	
Find the probability of choosing numbers with last digit 6. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability of Numbers Worksheet

A number is chosen at random from 1 to 25.

Problems	Work Space
Find the probability of selecting an even number. Answer:	
Find the probability of selecting a prime numbers. Answer:	
Find the probability of selecting a composite numbers. Answer:	
Find the probability of selecting a number less than 11. Answer:	
Find the probability of selecting an even number or multiple of 3. Answer:	

CHAPTER 6 - PROBABILITY (II)

Probability of Numbers Worksheet

A number is chosen at random from 1 to 10.

Problems	Work Space
Find the probability of selecting a multiple of 2. Answer:	
Find the probability of selecting a multiple of 3. Answer:	
Find the probability of selecting neither a multiple of 2 not multiple of 3. Answer:	
Find the probability of selecting the factors of 4 and factors of 6. Answer:	
Find the probability of selecting an odd number. Answer:	

CHAPTER 7 - MIXED FRACTION EQUATIONS

CHAPTER 7 - MIXED FRACTION EQUATIONS

Add. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $\frac{15}{20} + \frac{1}{20} =$

2) $\frac{9}{19} + \frac{1}{15} =$

3) $2\frac{1}{4} + 1\frac{1}{3} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Subtract. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $\frac{7}{11} - \frac{1}{11} =$

2) $3\frac{14}{20} - 1\frac{1}{20} - 1\frac{2}{20} =$

3) $1\frac{2}{3} - 1\frac{1}{2} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Multiply. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $9 \times \frac{16}{20} =$

2) $\frac{1}{6} \times \frac{9}{10} =$

3) $2\frac{1}{5} \times 5 =$

4) $\frac{1}{6} \times 2\frac{1}{5} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Divide. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $\frac{1}{6} \div 2 =$

2) $10 \div \frac{18}{19} =$

3) $7 \div \frac{16}{17} =$

4) $1\frac{2}{7} \div \frac{1}{2} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Add. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $11\frac{14}{20} + 20\frac{1}{20} =$

2) $5\frac{6}{20} + 19\frac{4}{20} + 16\frac{5}{20} =$

3) $8\frac{11}{20} + 9\frac{4}{20} + 10\frac{4}{20} =$

4) $1\frac{2}{5} + 1\frac{2}{5} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Multiply. Simplify your answer and write is as a proper fraction or as a whole or mixed number.

1) $2\frac{6}{7} \times 2 =$

2) $5 \times 5\frac{9}{10} =$

3) $4\frac{7}{9} \times \frac{3}{9} =$

4) $\frac{7}{8} \times 8\frac{6}{9} =$

CHAPTER 7 - MIXED FRACTION EQUATIONS

1) Of the shirts in Isabelle's closet, $\frac{11}{14}$ are teal and another $\frac{2}{14}$ are red. What fraction of the shirts are either teal or red?

2) Kaylee only eats red and blue jelly beans. In a typical bag of $\frac{15}{20}$ jelly beans are red and $\frac{2}{20}$ are blue. What fraction of a typical bag of jelly beans would Kaylee want to eat?

3) After a birthday party, Kaitlyn has $\frac{10}{14}$ of a leftover pizza in her fridge. After she eats leftover pizza for lunch, there is $\frac{5}{14}$ of a pizza remaining. How much pizza did Kaitlyn eat for lunch?

CHAPTER 7 - MIXED FRACTION EQUATIONS

1) Dahlia brings $\frac{3}{10}$ of a container of orange slices for her soccer team to eat at half time. After the game the container is $\frac{2}{10}$ full of orange slices. What fraction of a container of oranges did the team eat at half time?

2) At harvest time, Jackson picks a basket of apples from the tree in his back yard. After throwing out the bad apples, there is $\frac{3}{16}$ of a basket of good apples he can use to make pies. After baking pies with the apples, there is $\frac{1}{16}$ a basket of apples remaining? What fraction of the basket of apples did Jackson use to make pies?

3) Owen started to watch a movie on Monday and didn't finish it. On Tuesday he starts the movie again, he has $\frac{14}{15}$ of the film remaining. When he stops the movie again, $\frac{16}{19}$ of the film remains. How much of the film did Owen watch on Tuesday night?

CHAPTER 7 - MIXED FRACTION EQUATIONS

1) A baker is making apple pies. After throwing out the bad apples, there is $\frac{3}{10}$ of a basket of apples left. After baking the pies, there is only $\frac{3}{15}$ of a basket remaining. What fraction of a basket of apples did the baker use on the pies?

2) Jacob started to watch a movie on Monday and didn't finish it. On Tuesday he starts the movie again, he has $\frac{3}{17}$ of the film remaining. When he stops the movie again, $\frac{1}{11}$ of the film remains. How much of the film did Jacob watch on Tuesday night?

3) Kayla brings $\frac{12}{20}$ of a container of orange slices for her soccer team to eat at half time. After the game the container is $\frac{13}{14}$ full of orange slices. What fraction of a container of oranges did the team eat at half time?

CHAPTER 7 - MIXED FRACTION EQUATIONS

Choose the best answer.

1) Noah is painting his kitchen. If Noah paints $\frac{5}{20}$ of a wall before lunch and $\frac{11}{20}$ of the wall after lunch, what fraction of the wall did Noah paint that day?

a) $\frac{9}{10}$ b) $\frac{4}{5}$ c) $\frac{8}{9}$ d) $\frac{2}{3}$

2) Jackson is painting his kitchen. If Jackson paints $\frac{10}{19}$ of a wall before lunch and $\frac{8}{19}$ of the wall after lunch, what fraction of the wall did Jackson paint that day?

a) $\frac{6}{7}$ b) $\frac{5}{7}$ c) $\frac{18}{19}$ d) $\frac{4}{9}$

3) At a sleepover, Lauren eats $\frac{6}{20}$ of a pizza and her friend Sarah eats $\frac{13}{20}$ of a pizza. What fraction of a pizza did Lauren and Sarah eat together?

a) $\frac{5}{6}$ b) $\frac{7}{10}$ c) $\frac{19}{20}$ d) $\frac{1}{6}$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Choose the best answer.

1) Nick inflates his bicycle tires until they are $\frac{5}{10}$ full of air. After riding his bike for an hour, Nick discovers a hole in his tire and that the tire is only $\frac{2}{10}$ full of air. What fraction of the total volume of the tire was lost through the leak?

a) $\frac{3}{10}$ b) $\frac{5}{6}$ c) $\frac{3}{4}$ d) $\frac{7}{8}$

2) Before leaving for work in the morning, Julia's phone is $\frac{6}{10}$ charged. After work, her phone is $\frac{1}{10}$ charged. What fraction of her phone's battery did Julia use at work that day?

a) $\frac{7}{9}$ b) $\frac{1}{2}$ c) $\frac{7}{10}$ d) $\frac{4}{5}$

3) Ava is wrapping presents and has $\frac{17}{20}$ of a roll of tape left. After she finishes wrapping the next present, she has $\frac{1}{20}$ of a roll of tape left. How much tape did Ava use on the last present?

a) $\frac{5}{8}$ b) $\frac{4}{9}$ c) $\frac{4}{5}$ d) $\frac{1}{4}$

CHAPTER 7 - MIXED FRACTION EQUATIONS

Choose the best answer.

1) Lily's laptop battery is $\frac{11}{14}$ full before she leaves for school. After her day at school, the battery is $\frac{14}{20}$ full. What fraction of her laptop battery did Lily use at school?

a) $\frac{6}{7}$ b) $\frac{5}{7}$ c) $\frac{3}{35}$ d) $\frac{1}{4}$

2) Savannah makes a salad dressing with oil and vinegar. If there is $\frac{6}{20}$ of a cup of salad dressing and Savannah used $\frac{4}{19}$ of a cup of oil to make the dressing, how much vinegar did Savannah use in the dressing?

a) $\frac{17}{290}$ b) $\frac{37}{38}$ c) $\frac{25}{27}$ d) $\frac{8}{27}$

3) Joshua inflates his bicycle tires until they are $\frac{18}{20}$ full of air. After riding his bike for an hour, Joshua discovers a hole in his tire and that the tire is only $\frac{10}{20}$ full of air. What fraction of the total volume of the tire was lost through the leak?

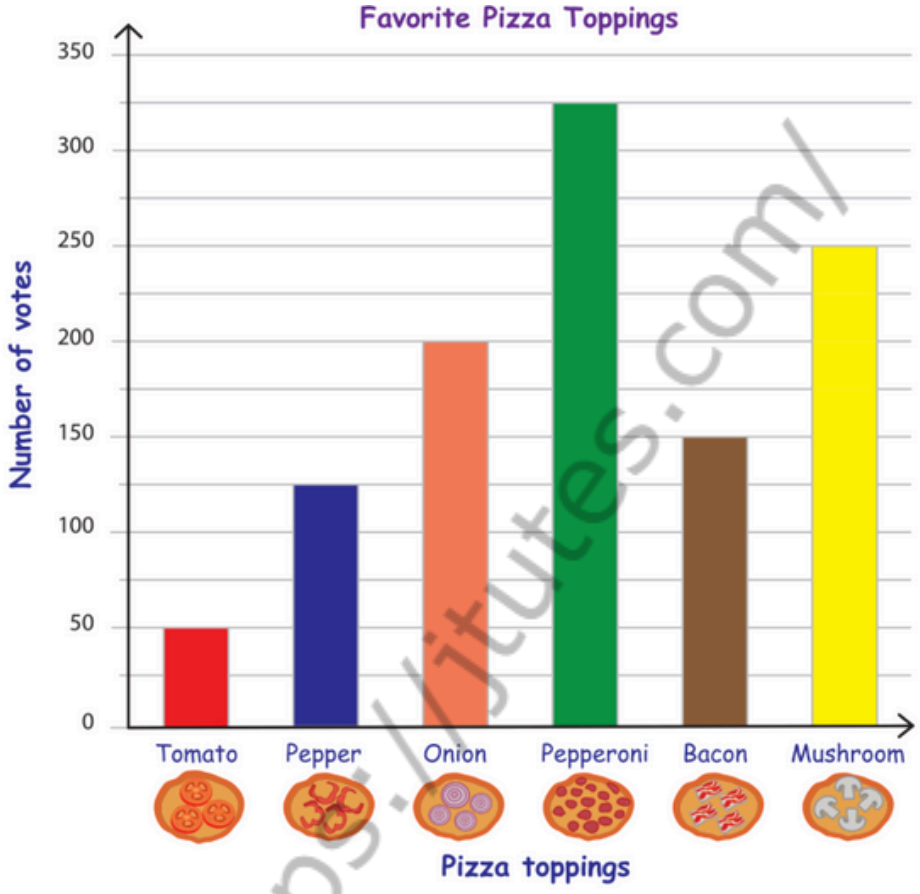
a) $\frac{3}{4}$ b) $\frac{1}{2}$ c) $\frac{1}{10}$ d) $\frac{2}{5}$

CHAPTER 8 - READING BAR GRAPH

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Pizza Toppings

Good Time Pizza Makers are best in making pizzas with six different toppings. They took a survey about customers' favorite toppings and recorded the results in a bar graph. Use the bar graph to answer the questions.



1) What is the most popular topping? _____

2) How many customers have chosen either tomato or pepper toppings? _____

3) If 75 more customers prefer bacon, which one will top the chart, bacon or onion? _____

4) Which topping has 250 votes? _____

5) List the toppings in order from most popular to least popular.

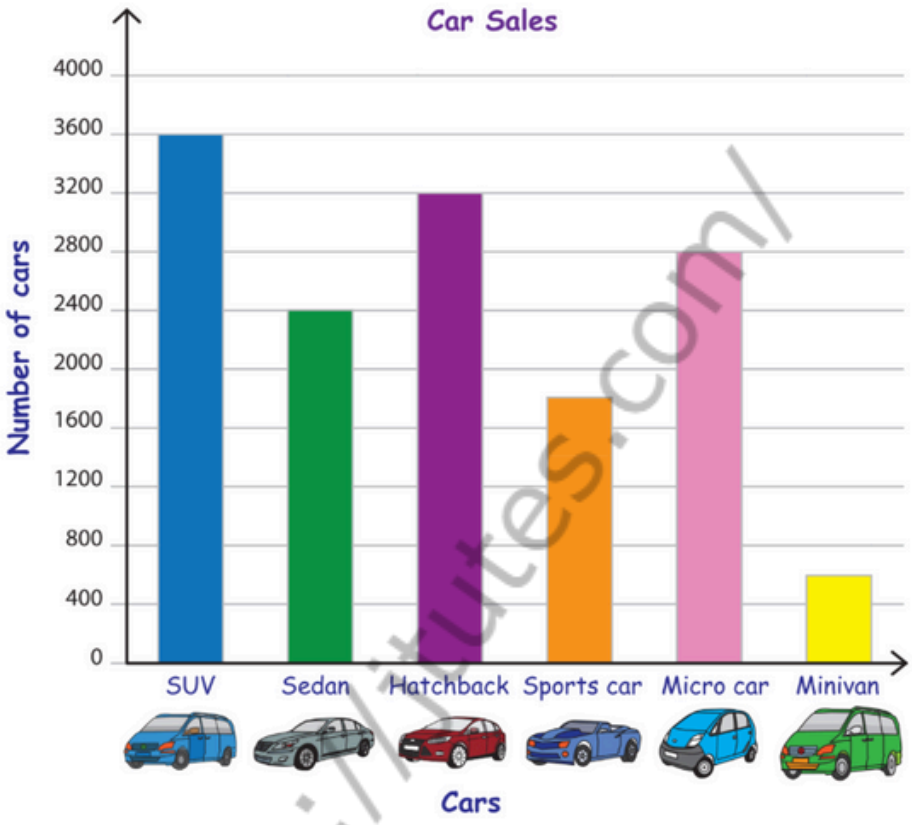
_____

_____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Car Sales

A survey is conducted on the number of cars sold by Mathew's Cars in 2013. The information is recorded in a bar graph. Use the graph to answer the questions.



1) Which type of car was sold the most? _____

2) How many fewer sports cars were sold than hatchbacks? _____

3) How many more SUV cars were sold than Sedans? _____

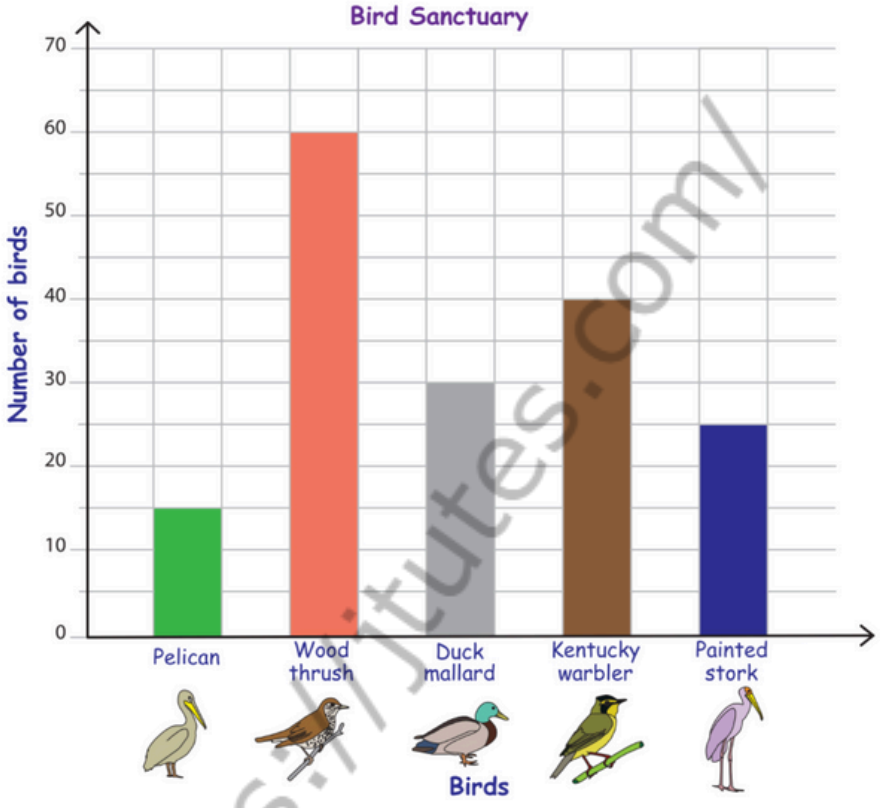
4) The sales of sports cars and minivans putting together equals the sales of _____

5) Find the number of cars sold in all. _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Bird Sanctuary

Mr. Brandon, a staff of Exotic Bird Sanctuary, tracks the number of birds migrating to the sanctuary during Spring. He records the information in a bar graph. Use the graph to answer the questions.



1) Write a number at the end of each bar to display the number of birds of each kind. _____

2) What is represented along the x-axis of the graph? _____

3) Which bird counts between 10 and 20? _____

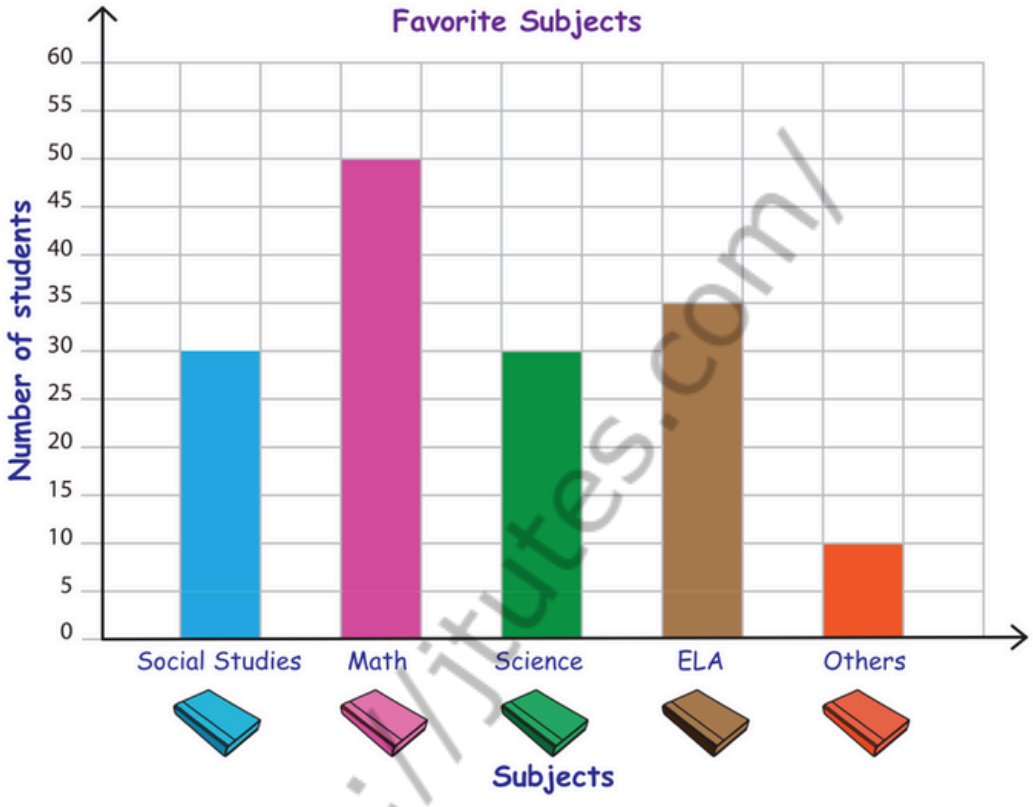
4) Which is more, Wood thrush or Kentucky warbler? _____

5) If six Painted stork "ew away, how many Painted stork would have left? _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Favorite Subjects

Miss. Sarah, a teacher of Edwards Elementary School, recorded the favorite subjects of her students in a bar graph. Use the graph to answer the questions.



1) What unit of scale is used to display the popularity of subjects among the students? _____

2) Which subject is the second most popular? _____

3) Which subject is less popular, science or ELA? _____

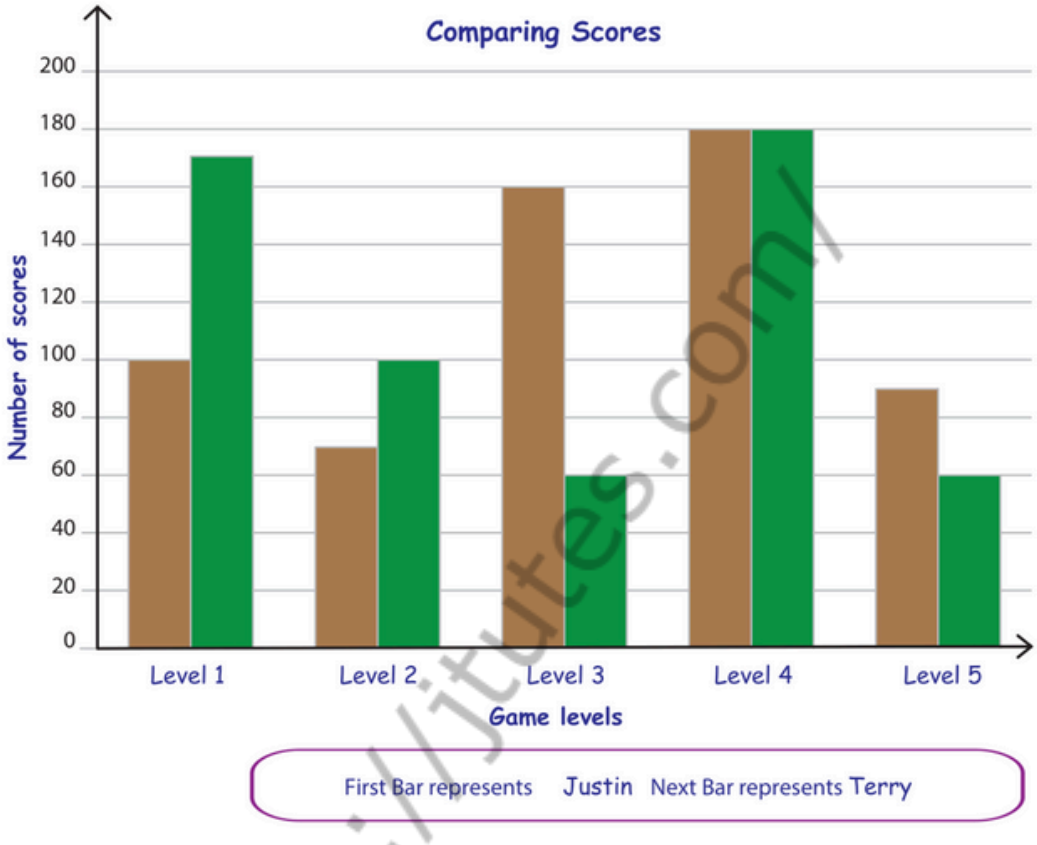
4) Which subject is favorite for 50 students? _____

5) Which subjects have the same number of votes? _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Game Scores

Justin and Terry played video games. They recorded their scores in a bar graph. Use the bar graph to answer the questions.



1) What is the least score of Justin? _____

2) Which level Terry beat Justin by more than 50 scores? _____

3) Which level Justin and Terry got same scores? _____

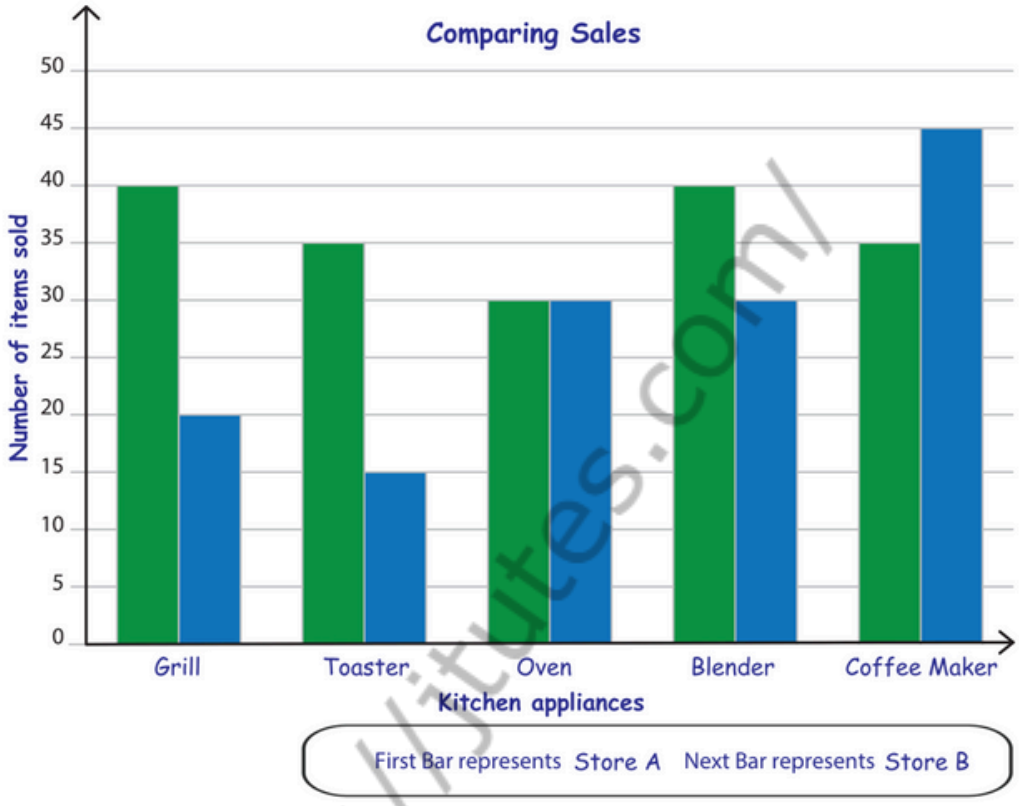
4) Who is the top scorer of level 5? _____

5) In level 2, how many more points does Justin need to tie the game? _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Comparing Sales

Mr. Peter owns two kitchen appliance stores. He compares the sales of two stores and recorded the information in a bar graph. Use the bar graph to answer the questions.



1) Which item sold the most in Store B? _____

2) Which store sold the least number of toasters? _____

3) The number of grills sold by Store A is twice of Store B. Is it correct? _____

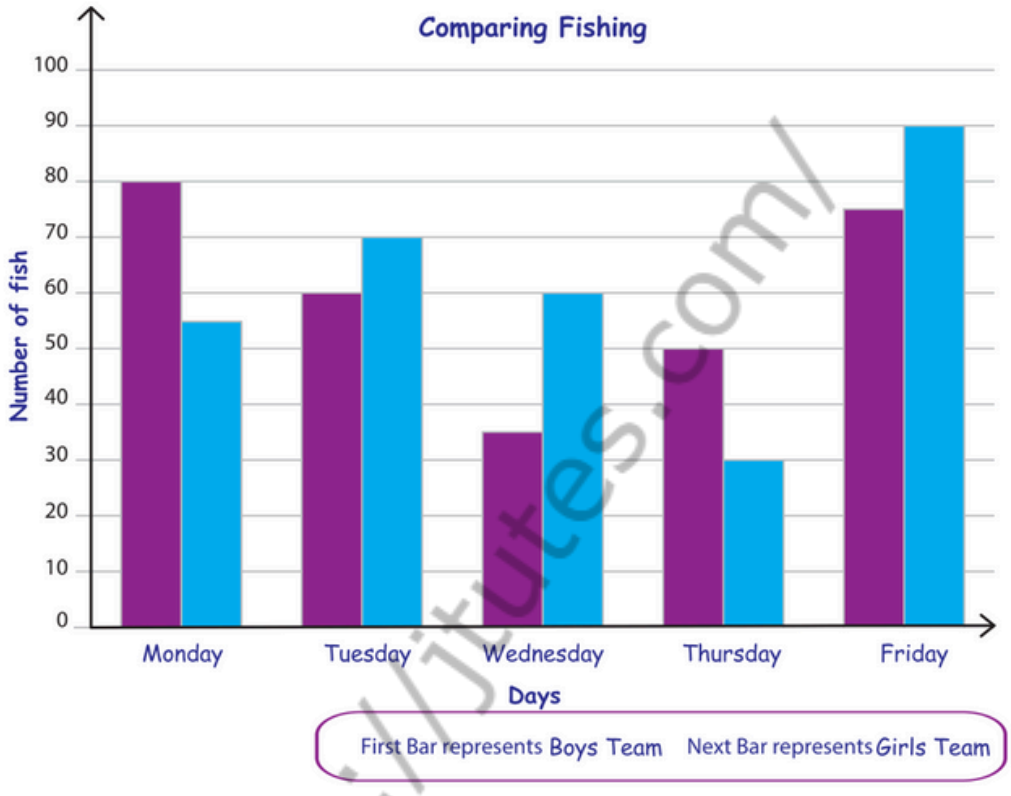
4) What is the difference on sales of blenders between Store A and Store B? _____

5) How many total appliances were sold by Store A? _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Gone Fishing

In a camp activity, a group of girls and boys go fishing everyday from Monday through Friday. They made a bar graph to show the number of fish they caught each day. Use the bar graph to answer the questions.



1) How many fish were caught on Tuesday by both the teams? _____

2) Write the days on which the boys team catches more fish than the girls team. _____

3) Which team caught more !sh on Friday? _____

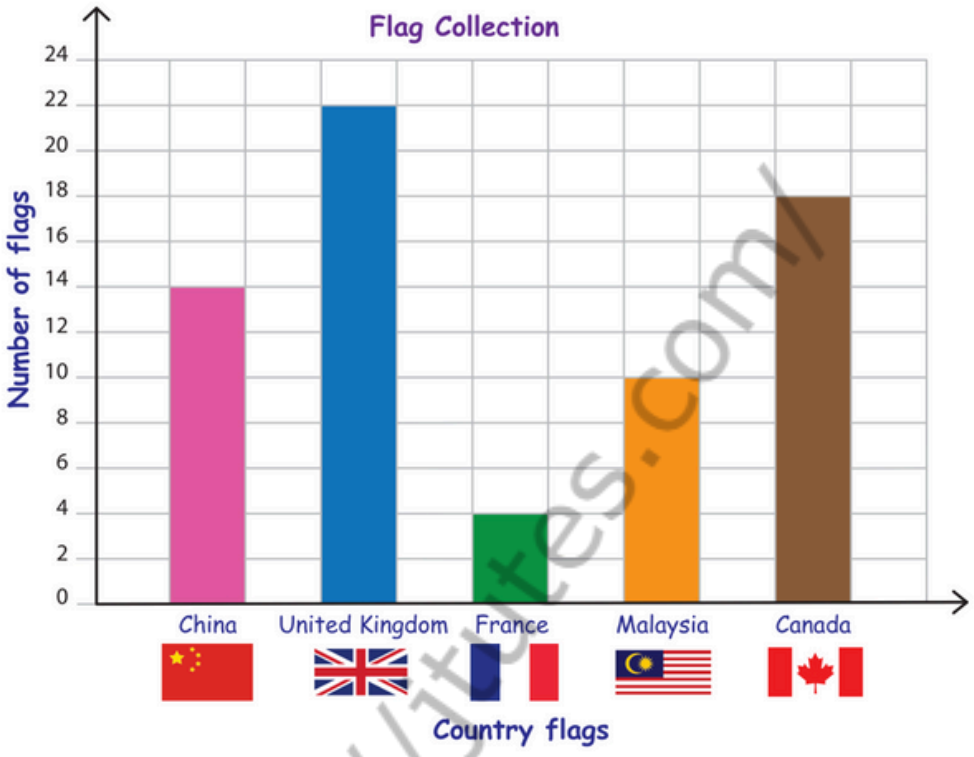
4) How many fish were caught by both teams in all? _____

5) Which team caught fewer fish in all? _____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Flag Collection

John has a hobby of collecting flags of different countries. The bar graph displays the number of flags collected by him. Use the graph to answer the questions.



1) How many fewer China flags does John have than United Kingdom flags? _____

2) Which country flag does John have fewer than 5? _____

3) How many more Malaysian flags should John need to have the same count as Canadian flags? _____

4) How many flags does John have altogether? _____

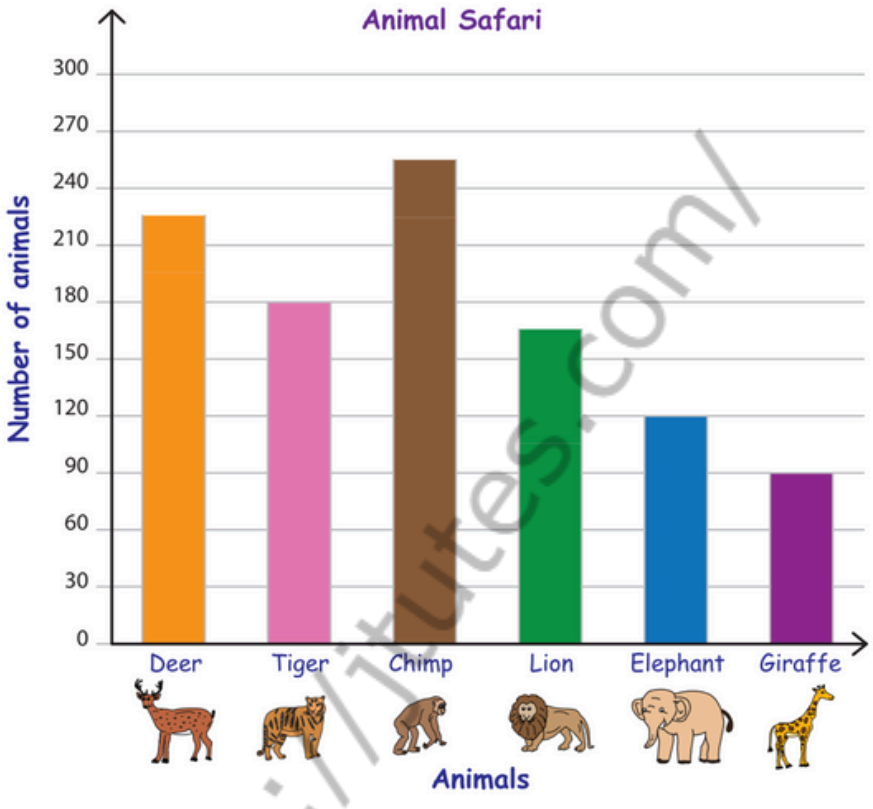
5) Write the countries in order from fewest flags to most flags.

_____

CHAPTER 8 - READING BAR GRAPH

Bar Graph - Animal Safari

Henry Ford Zoo, a drive-through safari invites visitors to spend the day with six types of animals, including various activities like feeding, bathing and more. The graph shows the number of animals in each kind. Use the graph to answer the questions.



1) Write a number at the end of each bar to display the number of animals of each kind. _____

2) Are there more Chimps or Deer? _____

3) Which animal is double the count of Giraffe? _____

4) How many more elephants are required to have an equal number of elephants and lions? _____

5) Henry Ford's zoo made an exchange deal with Saint Peter's zoo. They exchanged 10 tigers, 5 lions and 15 chimps for 9 elephants, 15 deer and 5 giraffes. What would be the new count of animals in each kind?

Deer: _____ ; Tiger: _____ ; Chimp: _____ ; Lion: _____ ;
Elephant: _____ ; Giraffe: _____

CHAPTER 9 - PROPORTION

CHAPTER 9 - PROPORTION

Round the answers to 1 decimal digit.

1) $\frac{a}{6} = \frac{5}{7}$

2) $\frac{11}{12} = \frac{7}{a}$

3) $\frac{15}{b} = \frac{24}{11}$

4) $\frac{b}{22} = \frac{100}{15}$

CHAPTER 9 - PROPORTION

Round the answers to 1 decimal digit.

1) $\frac{29}{13} = \frac{c}{3}$

2) $\frac{16}{c} = \frac{9}{7}$

3) $\frac{38}{3} = \frac{14}{d}$

4) $\frac{10}{21} = \frac{d}{5}$

CHAPTER 9 - PROPORTION

Round the answers to 1 decimal digit.

1) $\frac{45}{31} = \frac{x}{55}$

2) $\frac{10}{49} = \frac{55}{x}$

3) $\frac{y}{27} = \frac{4}{95}$

4) $\frac{8}{39} = \frac{y}{60}$

CHAPTER 9 - PROPORTION

Round the answers to 1 decimal digit.

1) $\frac{5}{w} = \frac{3}{11}$

2) $\frac{w}{2} = \frac{174}{7}$

3) $\frac{z}{19} = \frac{444}{310}$

4) $\frac{11}{51} = \frac{4}{z}$

CHAPTER 9 - PROPORTION

Proportions - using decimals

Round the answers to 2 decimal digits.

1) $\frac{a}{3} = \frac{1.5}{7}$

2) $\frac{0.8}{19} = \frac{7}{a}$

3) $\frac{15}{4.2} = \frac{4.8}{b}$

4) $\frac{b}{2} = \frac{107}{3.15}$

CHAPTER 9 - PROPORTION

Proportions - using decimals

Round the answers to 2 decimal digits.

1) $\frac{c}{13} = \frac{4.1}{3}$

2) $\frac{6}{23} = \frac{c}{7.7}$

3) $\frac{3.8}{d} = \frac{5.4}{3}$

4) $\frac{1.7}{21} = \frac{8}{d}$

CHAPTER 9 - PROPORTION

Proportions - using decimals

Round the answers to 2 decimal digits.

1) $\frac{75}{1.9} = \frac{x}{5.5}$

2) $\frac{2.3}{4} = \frac{x}{9.1}$

3) $\frac{8}{37} = \frac{0.4}{y}$

4) $\frac{29}{9} = \frac{y}{60}$

CHAPTER 9 - PROPORTION

Proportions - using decimals

Round the answers to 2 decimal digits.

1) $\frac{w}{7.7} = \frac{33.5}{90}$

2) $\frac{83}{2.1} = \frac{w}{7}$

3) $\frac{4}{71} = \frac{z}{3.1}$

4) $\frac{14.1}{z} = \frac{40}{51}$

CHAPTER 9 - PROPORTION

Proportions - Word Problems

Round the answers to 2 decimal digits.

1) A car travels 120 miles in 3 hours (with a constant speed). How far will it take to travel 200 miles?

2) 50 apples cost $25. How much would 75 apples cost?

3) It takes Mike 18 minutes to finish reading 4 pages of a book. How long does it take for him to finish reading 30 pages?

CHAPTER 9 - PROPORTION

Proportions - Word Problems

Round the answers to 2 decimal digits.

1) Nathan packs 25 boxes in 2 hours. How many boxes can he pack in his 8-hour shift?

2) 13 candy bars weigh 26 ounces. What is the weight of 35 candy bars?

3) A machine can produce 6 yards of fabric in 2 minutes. How much fabric can the machine produce in 1 hour?

CHAPTER 9 - PROPORTION

Proportions - Word Problems

Round the answers to 2 decimal digits.

1) 24 loaves of bread cost $48. How much does 10 loaves cost?

2) A chef made 30 donuts in 60 minutes. How long would it take him to make 90 donuts?

3) Four big water bottles can hold 8 gallons of water. How much water can ten big water bottles hold?

CHAPTER 9 - PROPORTION

Proportions - Word Problems

Round the answers to 2 decimal digits.

1) It took Nora 10 hours to walk a 30-mile trail. How long did it take her to walk 9 miles at the same speed?

2) The total weight of 15 boxes is 45 pounds. How much would 40 boxes weigh?

3) A pack of six cans of coffee cost $12. How much would 15 cans of coffee cost?

CHAPTER 9 - PROPORTION

Proportions - Word Problems

Round the answers to 2 decimal digits.

1) It took Nora 10 hours to walk a 30-mile trail. How long did it take her to walk 9 miles at the same speed?

2) The total weight of 15 boxes is 45 pounds. How much would 40 boxes weigh?

3) A pack of six cans of coffee cost $12. How much would 15 cans of coffee cost?

CHAPTER 9 - PROPORTION

Proportions Word Problems - using decimals

Round the answers to 2 decimal digits.

1) A bus travels 350 km in 4 hours (with a constant speed). How far can it travel in 7 hours (with the same speed)?

2) If two water towers can hold 905 gallons of water, how much water can 11 water towers can hold?

3) If it takes four moving trucks to move 48 boxes, how many trucks are needed to move 840 boxes?

CHAPTER 9 - PROPORTION

Proportions Word Problems - using decimals

Round the answers to 2 decimal digits.

1) A factory can produce 60 TV in 7 days. How long does it take to finish 400 TVs?

2) 500 lemons were packed in 8 boxes. How many lemons can be packed in 20 boxes?

3) A pack of four cans of coffee cost $10.90. How much would 17 cans of coffee cost?

CHAPTER 9 - PROPORTION

Proportions Word Problems - using decimals

Round the answers to 2 decimal digits.

1) A crane can load 82 containers in 16 hours. How long does it take to load 180 containers?

2) A basketball player can make 25 free throws in 3.5 minutes. How many free throws can he make in 12 minutes?

3) A stack of 150 pieces of paper is 2.5 cm thick. How many pieces of paper are in a pile that is 6.5 cm thick?

CHAPTER 9 - PROPORTION

Proportions Word Problems - using decimals

Round the answers to 2 decimal digits.

1) An electronic calculator can finish 550 calculations in 2 minutes. How long does it take to finish 100 calculations?

2) A bulk pack of 12 croissants cost $0.95. How much do 110 croissants cost?

3) Matthew ran 43.5 km in 3 hours. How much did he run in 25 minutes?