

*** Choose the right answer from the given options. [1 Marks Each]**

[10]

1. A point of the form $(a, 0)$ lies on:
 (A) Quadrant IV (B) Quadrant I (C) y-axis (D) x-axis
2. Which point does not lie in any quadrant?
 (A) $(3, -4)$ (B) $(5, 9)$ (C) $(-3, 6)$ (D) $(0, 3)$
3. The co-ordinates of two points A and B are $(4, 3)$ and $(-5, 3)$ respectively. The co-ordinates of the point at which the line segment AB meets the y-axis are:
 (A) $(0, 4)$ (B) $(0, 3)$ (C) $(3, 0)$ (D) $(-5, 0)$
4. The area of the triangle formed by the points $A(2, 0)$, $B(6, 0)$ and $C(4, 6)$ is:
 (A) 24sq. unit (B) 12sq. unit (C) 10sq. unit (D) None of these
5. If $P(3, 9)$ and $Q(-3, -4)$, then (abscissa of P) - (ordinate of Q) is:
 (A) -1 (B) 1 (C) 7 (D) -7
6. Which of the following are the signs of abscissa and ordinate of a point in quadrant?
 (A) $(-, +)$ (B) $(-, -)$ (C) $(+, +)$ (D) $(+, -)$
7. The points $(-5, 2)$ and $(2, -5)$ lie in the:
 (A) II and IV quadrants, respectively. (B) Same quadrant. (C) IV and II quadrants, respectively. (D) II and III quadrants, respectively.
8. Write the correct answer in the following:
 If $P(5, 1)$, $Q(8, 0)$, $R(0, 4)$, $S(0, 5)$ and $O(0, 0)$ are plotted on the graph paper, then the point(s) on the x-axis are:
 (A) P and R (B) R and S (C) Only Q (D) Q and O
9. If $a > 0$ and $b > 0$ then the point (a, b) lies in quadrant.
 (A) IV (B) II (C) III (D) None of these.
10. If the perpendicular distance of a point P from the x-axis is 5 units and the foot of the perpendicular lies on the negative direction of x-axis, then the point P has.
 (A) y coordinate = 5 or -5 (B) x coordinate = -5 (C) y coordinate = 5 only (D) y coordinate = -5 only

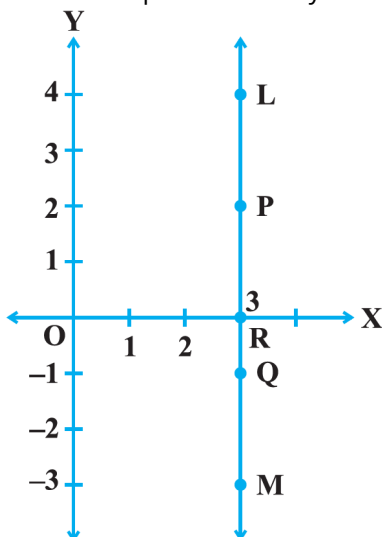
*** Answer the following short questions. [2 Marks Each]**

[8]

11. Plot the points (x, y) given by the following table:

x	2	4	-3	-2	3	0
y	4	2	0	5	-3	0

12. LM is a line parallel to the y-axis at a distance of 3 units:



- i. What are the coordinates of the points P, R and Q?
 - ii. What is the difference between the abscissa of the points L and M?
13. Which of the following points lie on y-axis?

A(1, 1), B(1, 0), C(0, 1), D(0, 0), E(0, -1), F(-1, 0), S(0, 5), H(7, 0), I(3, 3).

14. Which of the following points lie on the x-axis?

- i. A(0, 8)
- ii. B(4, 0)
- iii. C(0, -3)
- iv. D(-6, 0)
- v. E(2, 1)
- vi. F(-2, -1)
- vii. G(-1, 0)
- viii. H(0, 2)

*** Answer the following questions. [3 Marks Each]**

[12]

15. Find the coordinates of the point:

- i. Which lies on x and y axes both.
- ii. Whose ordinate is -4 and which lies on y-axis.
- iii. whose abscissa is 5 and which lies on x-axis.

16. Plot the points P(1, 0), Q(4, 0) and S(1, 3). Find the coordinates of the point R such that PQRS is a square.

17. Plot the following points and write the name of the figure obtained by joining them in order:

P(-3, 2), Q(-7, -3), R(6, -3), S(2, 2).

18. Taking 0.5cm as 1 unit, plot the following points on the graph paper:

A(1, 3), B(-3, -1), C(1, -4), D(-2, 3), E(0, -8), F(1, 0)
