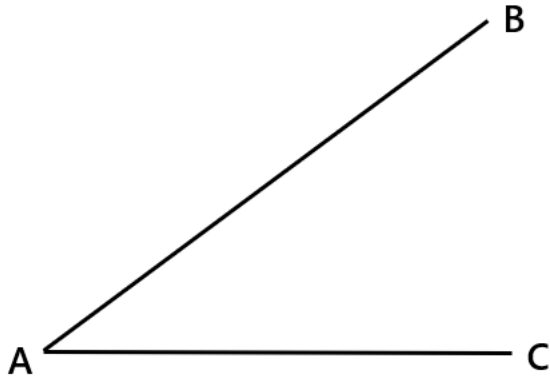
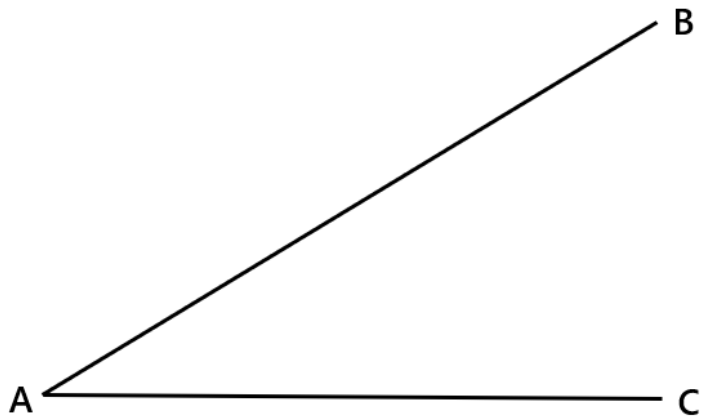


# ANGLE & PERPENDICULAR BISECTORS

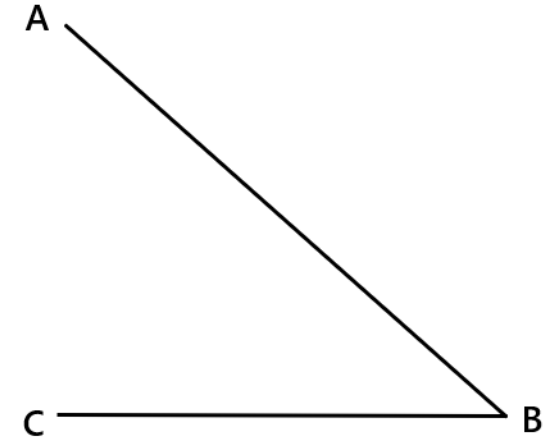
- 1) Use a ruler and compasses to construct the angle bisector of angle BAC. You must show your construction lines.



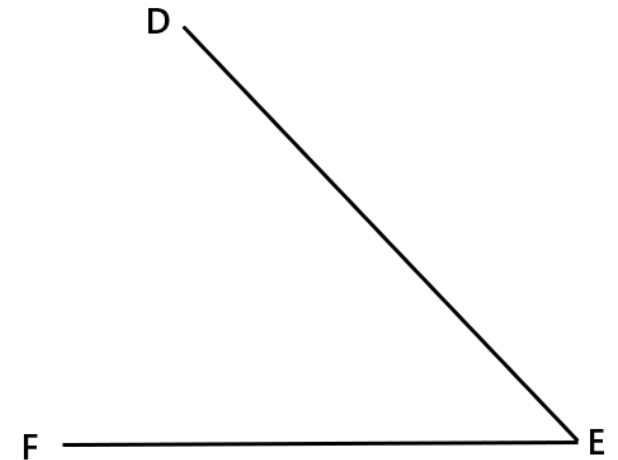
- 2) Use a ruler and compasses to construct the angle bisector of angle BAC. You must show your construction lines.



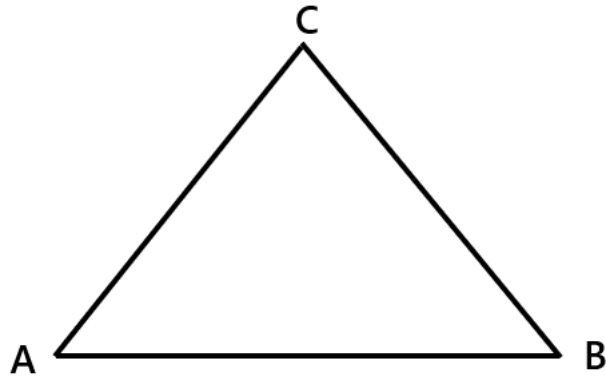
- 3) Use a ruler and compasses to construct the angle bisector of angle ABC. You must show your construction lines.



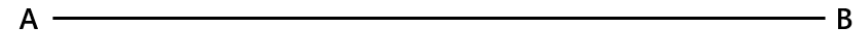
- 4) Use a ruler and compasses to construct the angle bisector of angle BAC. You must show your construction lines.



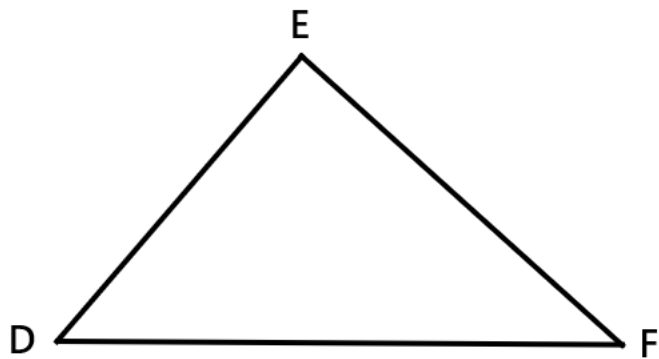
- 5) Use a ruler and compasses to construct the angle bisector of angle CAB. You must show your construction lines.



- 7) Use a ruler and compasses to construct the perpendicular bisector of line AB. You must show your construction lines.



- 6) Use a ruler and compasses to construct the angle bisector of angle DEF. You must show your construction lines.



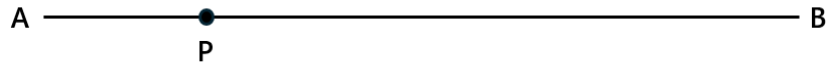
8) Use a ruler and compasses to construct the perpendicular bisector of line AB. You must show your construction lines.



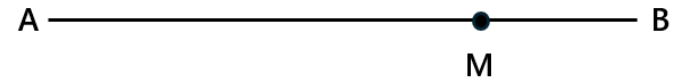
9) Use a ruler and compasses to construct the perpendicular bisector of line AB. You must show your construction lines.



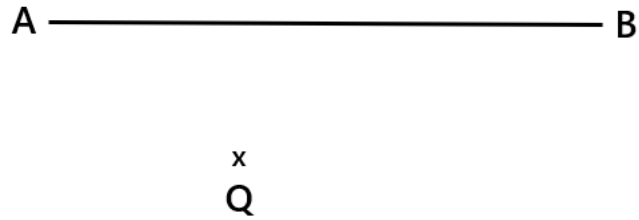
10) Use a ruler and compasses to construct the perpendicular from point P. You must show all your construction lines.



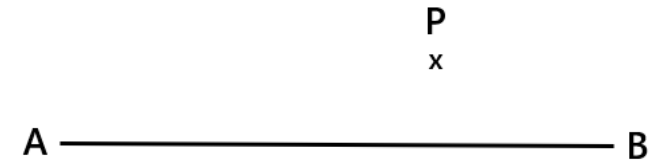
11) Use a ruler and compasses to construct the perpendicular from point M. You must show all your construction lines.



12) Use a ruler and compasses to construct the perpendicular from point Q to line AB. You must show all your construction lines.



13) Use a ruler and compasses to construct the perpendicular from point P to line AB. You must show all your construction lines.



## Challenge

- 14) Three line segments are shown below. Construct the perpendicular bisector of each line segment. Mark each point where the perpendicular bisectors intersect with a cross ( $\times$ ). Then, shade the shape formed by the perpendicular bisectors and identify the type of shape created. You must show all your construction lines.

