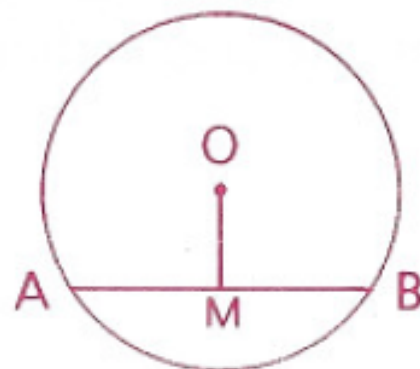


Homework

p. 187: 1, 2, 4, 7, 8

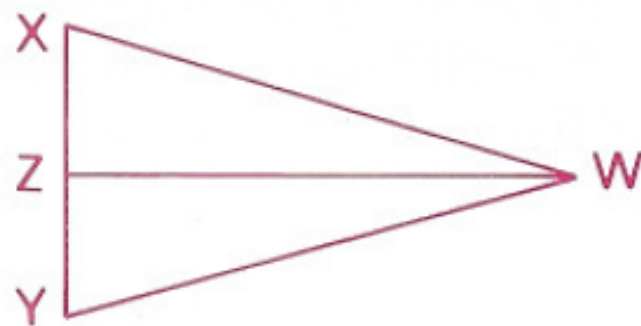
1 Given: $\odot O$; M is the midpt. of \overline{AB} .

Conclusion: $\overline{OM} \perp \overline{AB}$ (Hint: Draw two auxiliary lines.)



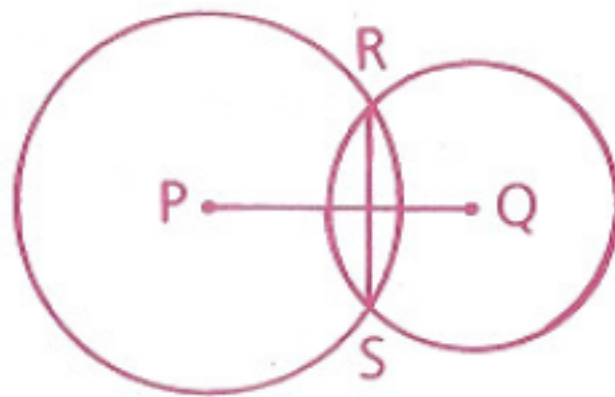
2 Given: $\overleftrightarrow{WZ} \perp \text{bis. } \overline{XY}$

Prove: $\triangle WXY$ is isosceles. (Hint: This proof can be written in three steps by using Theorem 25.)



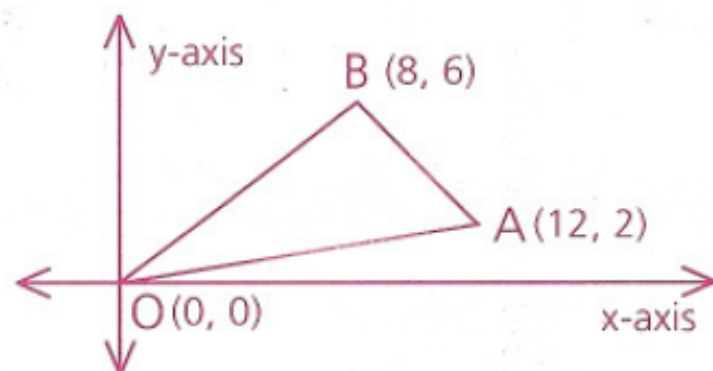
4 Given: $\odot P$ and $\odot Q$

Prove: $\overleftrightarrow{PQ} \perp \text{bis. } \overline{RS}$



s with a circle around it means “circles”

- 7 How much greater than the x-coordinate of the midpoint of \overline{OA} is the x-coordinate of the midpoint of \overline{AB} ?



- 8 In the graph, if a perpendicular is drawn from T to \overleftrightarrow{PA} , what will the coordinates of the point where the perpendicular intersects \overleftrightarrow{PA} be?

