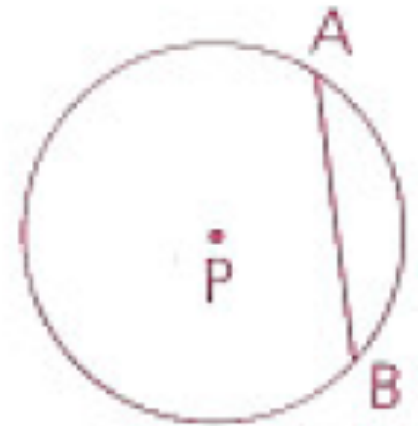


Homework

p. 443: 5, 6, 11, 14, 17

- 5 Chord \overline{AB} measures 12 mm and the radius of $\odot P$ is 10 mm. Find the distance from \overline{AB} to P .



- 6 Find the length of a chord that is 15 cm from the center of a circle with a radius of 17 cm.
- 11 Find the distance from the center of a circle to a chord 30 m long if the diameter of the circle is 34 m.
- 14 Two circles intersect and have a common chord 24 cm long. The centers of the circles are 21 cm apart. The radius of one circle is 13 cm. Find the radius of the other circle.

17 $\odot P$ just touches (is tangent to) the x-axis. $P = (15, 13)$ and $Q = (19, 16)$.

a Find the radius of $\odot P$.

b Find PQ .

c Find the length of \overline{AB} .

