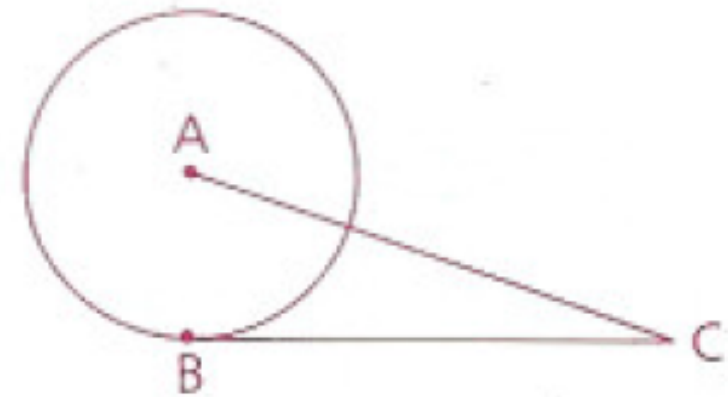


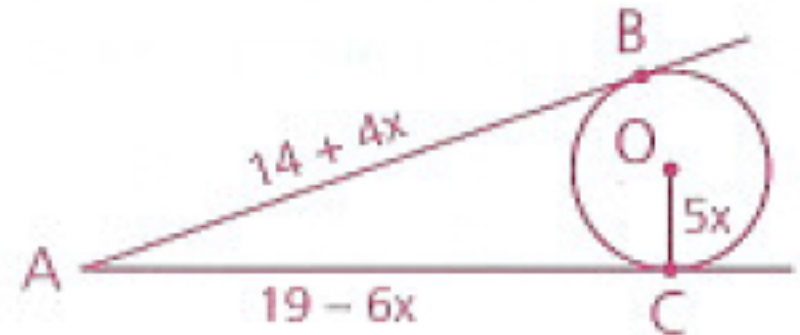
Homework

p. 463: 1, 6, 10, 11, 16

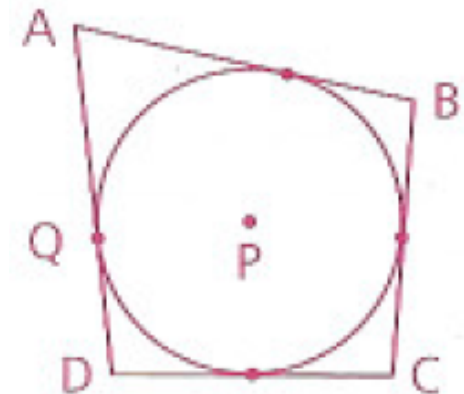
- 1 The radius of $\odot A$ is 8 cm.
Tangent segment \overline{BC} is 15 cm long.
Find the length of \overline{AC} .



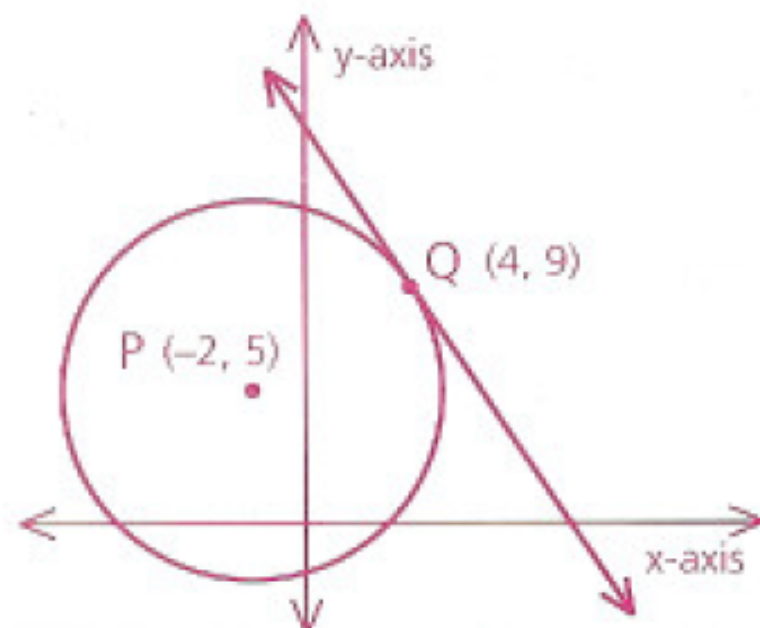
- 6 \overline{AB} and \overline{AC} are tangents to $\odot O$,
and $OC = 5x$. Find OC .



- 10 $\odot P$ is tangent to each side of ABCD.
 $AB = 20$, $BC = 11$, and $DC = 14$. Let
 $AQ = x$ and find AD .



- 11 a** Find the radius of $\odot P$.
- b** Find the slope of the tangent to $\odot P$ at point Q.



- 16** Given: Tangent $\odot A$, B, and C,
 $AB = 8$, $BC = 13$, $AC = 11$
- Find: The radii of the three \odot (Hint:
 This is a walk-around problem.)

