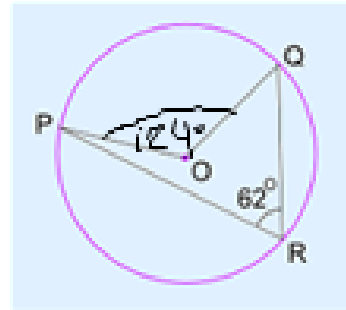
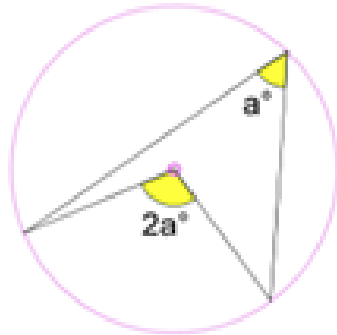
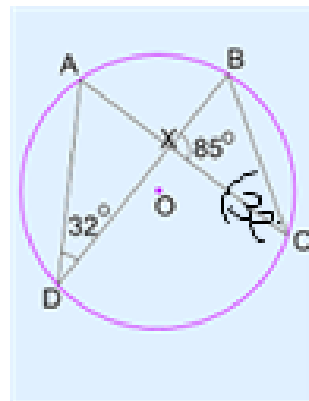
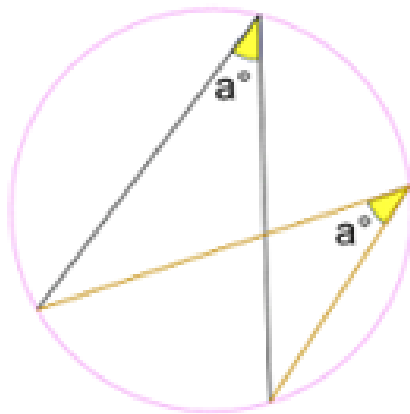


- An inscribed angle is half of the central angle that has the same two endpoints



Find angle POQ

- All inscribed angles with the same endpoints are equal

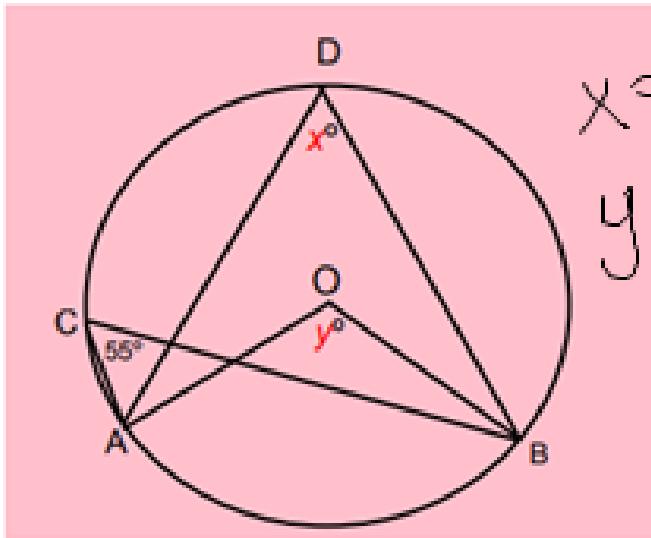


Find angle CBX

$$85 + 32 + x = 180$$

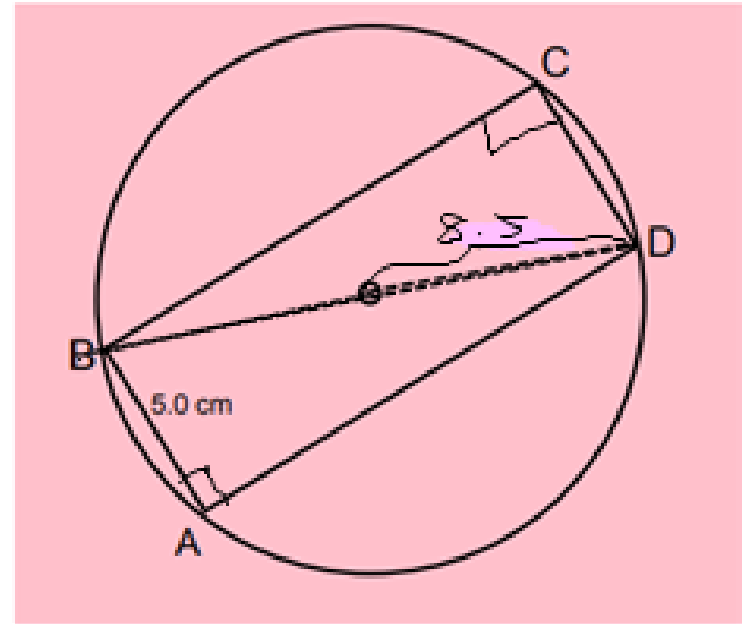
$$117 + x = 180$$

$$x = 63^\circ$$



$$x = 55^\circ$$

$$y = 110^\circ$$



Radius = 8.5 cm

Find AD

Diameter = 17 cm
 endpoints B and D make
 diameter therefore $\angle BAD = 90^\circ$

$$5^2 + (AD)^2 = 17^2$$

Solve.