

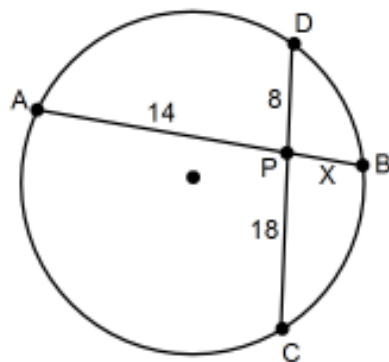
Geo Practice #24

Sec 12-4 & 12-5

Wed & Thur, May 6/7, 2020

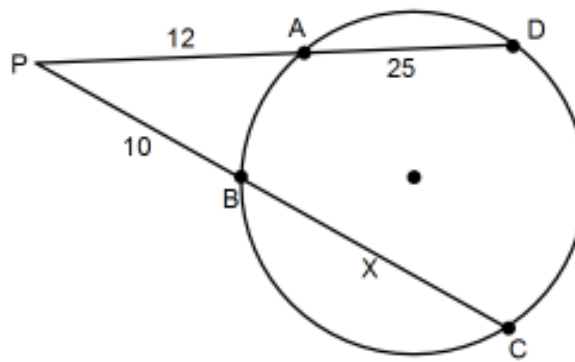
Find the value of x in each problem. Round to the nearest hundredth. Diagrams are not drawn to scale.

1.



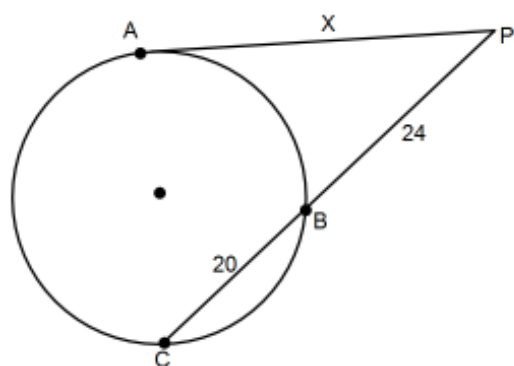
$X =$

2.



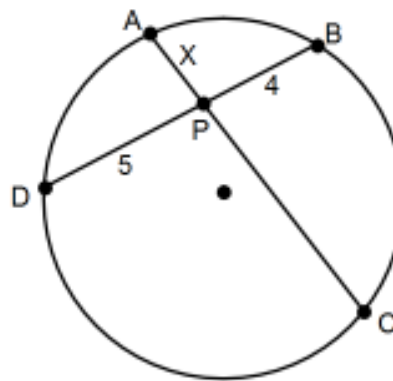
$X =$

3.



$X =$

4. $AC = 12$



$X =$

5. Use this equation of a circle: $(x - 8)^2 + y^2 = 441$

a) State the coordinates of the center:

b) State the radius of the circle.

Center:

radius =

6. Use the given information to write the equation of each circle.

a) Center is the point $(-9, 3)$

radius = 16

b) Center is the point $(0, -5)$

diameter = 8

EQ:

EQ:

7. The center is the point $(1, -2)$ and the point $(7, 11)$ is on the circle. Write the equation of this circle.

EQ:

8. The endpoints of a diameter are $(5, -12)$ & $(13, -2)$. Write the equation of this circle.

EQ: