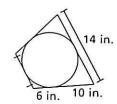
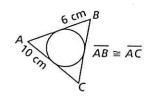
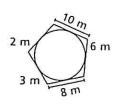
Each polygon circumscribes a circle. Find the perimeter of the polygon.

7.



8.





Find the value of each variable. SHOW WORK OR STATE THEOREM

10.

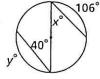


11.

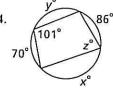




13.



14.

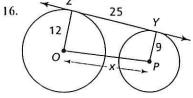


15.



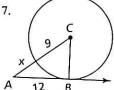
In each diagram, \overrightarrow{ZY} is tangent to circles O and P.

In each diagram, \overrightarrow{AB} is tangent to $\odot C$ at B. Find the value of x.

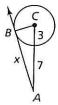


Find the value of x.

17.



18.

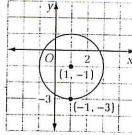


Write an equation for each circle.

19. center (0, 1); r = 2

20. center (-3, 2); through (5, -4)

21.



Graph each circle.

23.
$$(x + 4)^2 + (y - 3)^2 = 25$$

 $x^2 + y^2 = 1$ 22.