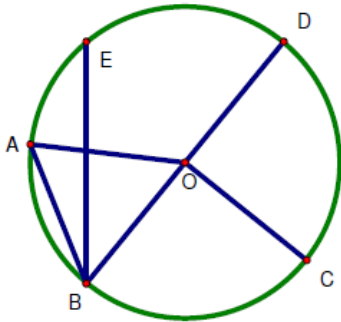
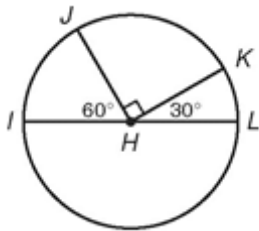


1. For the picture below identify one of each of the following terms. Use correct notation.



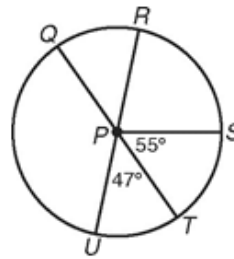
- a) Central Angle:
- b) Chord:
- c) Minor Arc:
- d) Major Arc:
- e) Inscribed Angle:
- f) Diameter:
- g) Radius:

2.



Measure of arc JL:

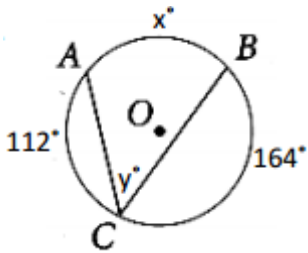
3.



Measure of arc RS:

Measure of arc QU:

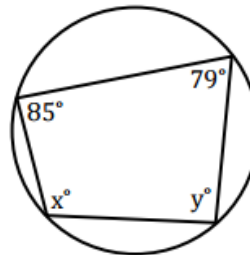
4.



Measure of x:

Measure of y:

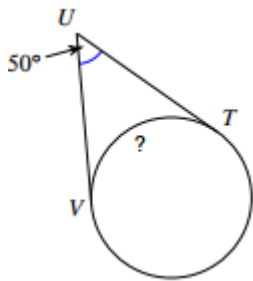
5.



$\angle x =$ _____

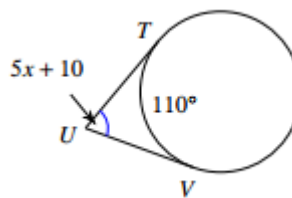
$\angle y =$ _____

6.



Measure of ?:

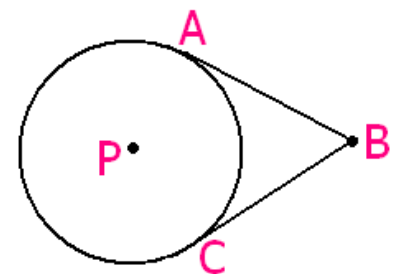
7.



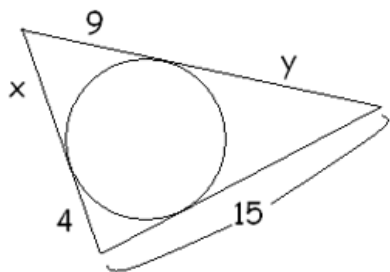
X=

8. Suppose B is a point on the exterior of Circle P. Suppose \overline{AB} and \overline{CB} are tangents to Circle P. How could you use congruent triangles to prove $\overline{AB} \cong \overline{CB}$?

How could you use the Pythagorean Theorem to show that $\overline{AB} \cong \overline{CB}$?



9. Circle P is inscribed in the polygon.
Find the perimeter of the polygon.

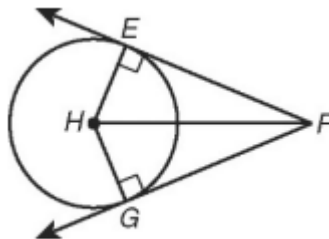


$x = \underline{\hspace{2cm}}$

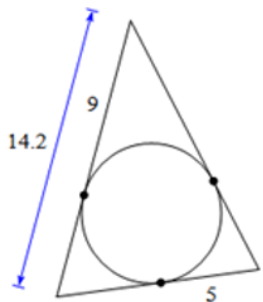
$y = \underline{\hspace{2cm}}$

Perimeter = $\underline{\hspace{2cm}}$

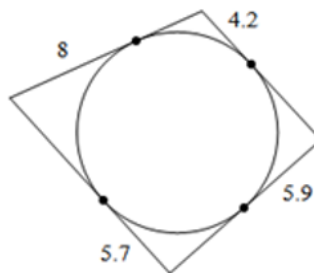
10. The area of circle H is $100\pi \text{ cm}^2$, and $HF = 26$ centimeters. What is the perimeter of quadrilateral EFGH?



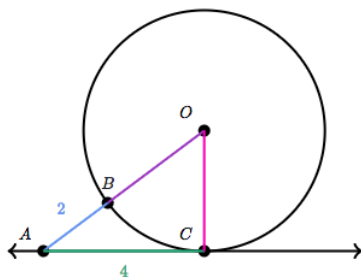
11. Find the perimeter of the polygon.



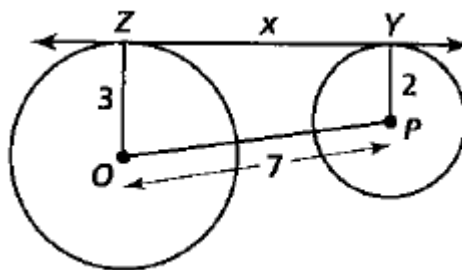
12. Find the perimeter of the polygon.



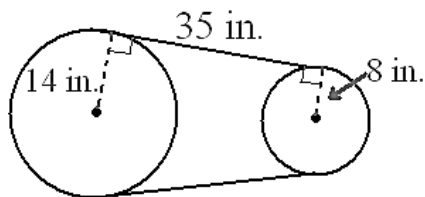
13. \overrightarrow{AC} is tangent to O at point C .
What is the length of \overline{OC} ?



14. Find the value of x .



15. A belt fits tightly around two circular pulleys. Find the distance between the centers of the pulleys.



16. Given that $BY = 14 \text{ cm}$, the radius of circle A is 2 cm , and the radius of circle Z is 5 cm , find the length of AZ .

