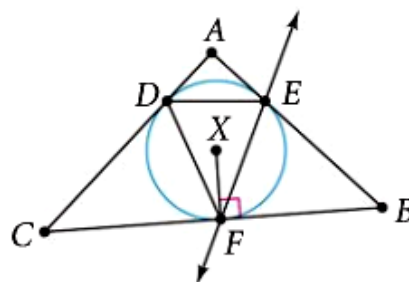
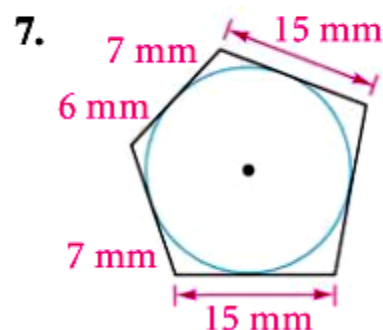
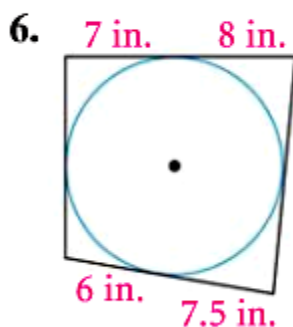


Use the figure to choose the correct term to complete each sentence.

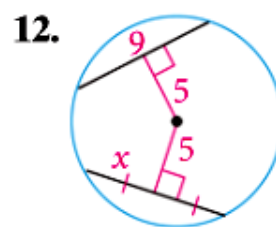
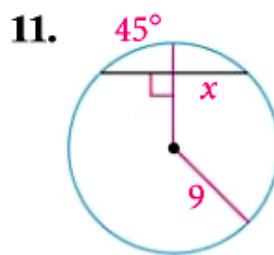
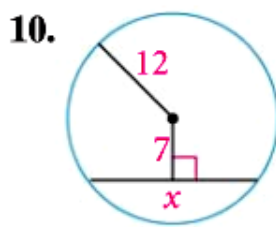
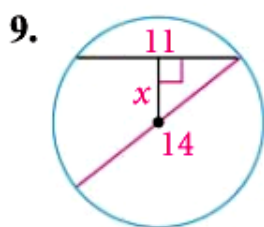
- $\overline{CB}$  is (a secant of, tangent to)  $\odot X$ .
- $\overline{DF}$  is a (chord, locus) of  $\odot X$ .
- $\triangle DEF$  is (inscribed in, circumscribed about)  $\odot X$ .
- $\angle DEF$  is an (intercepted arc, inscribed angle) of  $\odot X$ .



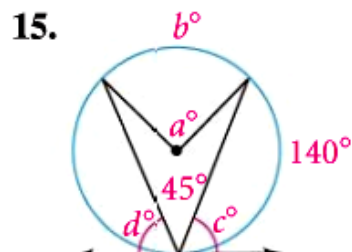
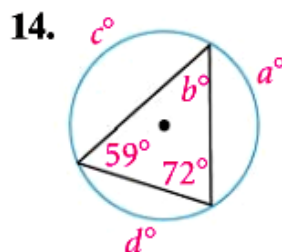
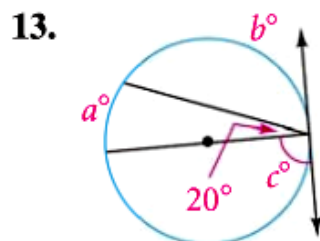
Each polygon circumscribes a circle. Find the perimeter of the polygon.



Find the value of  $x$  to the nearest tenth.

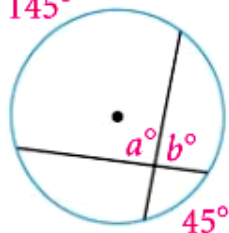


Assume that lines that appear tangent are tangent. Find the value of each variable.

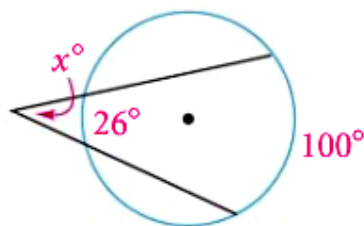


Assume that lines that appear tangent are tangent. Find the value of each variable.

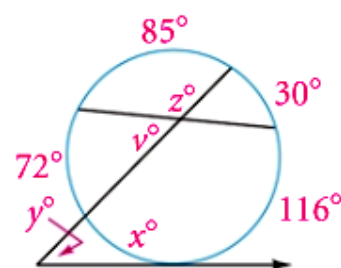
16.  $145^\circ$



17.

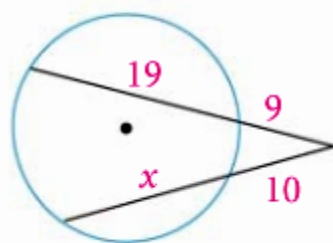


18.

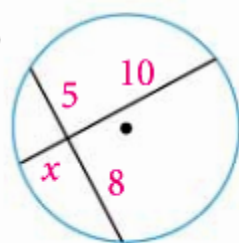


**Algebra** Find the value of each variable using the given chords, secants, and tangents. If your answer is not an integer, round to the nearest tenth.

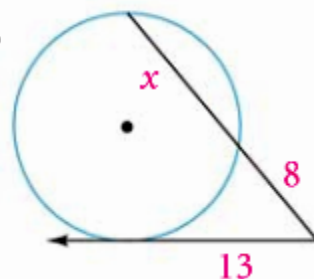
19.



20.



21.



Write the standard equation of the circle with center  $C$  and radius  $r$ .

22.  $C(2, 5); r = 3.5$

23.  $C(-3, 1); r = \sqrt{5}$

Describe the circle with the given equation.

29.  $(x - 5)^2 + (y + 9)^2 = 40$