

Review for Chapter 12 Test

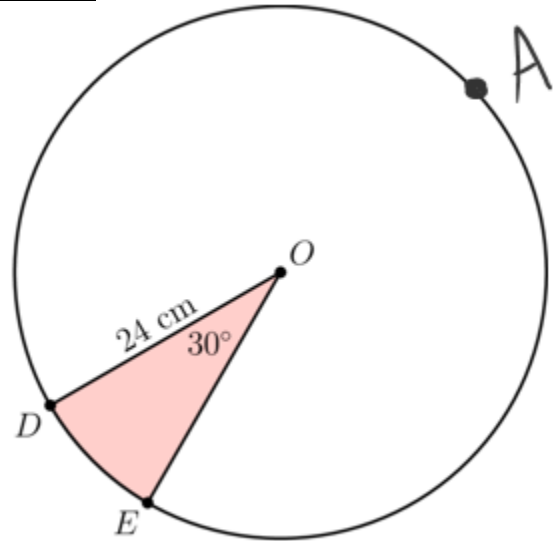
1) What is the $m\widehat{DAE}$?

2) What is the length of \widehat{DE} ?

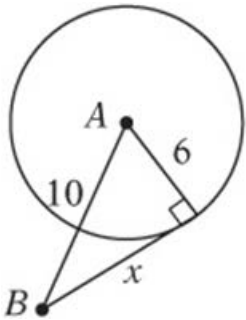
3) What is the length of \widehat{DAE} ?

4) What is the area of the orange sector?

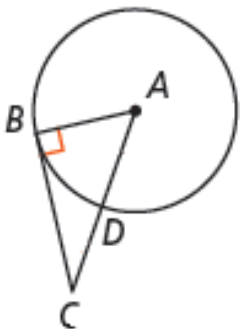
5) What is the area of the white sector?



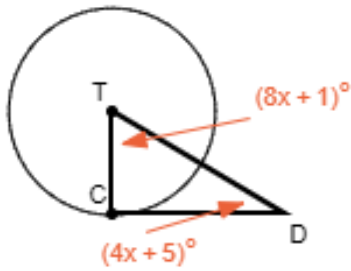
6) Solve for x.



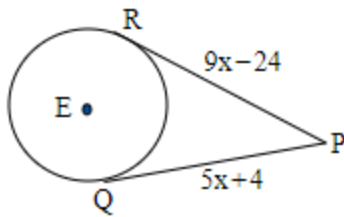
7) In the figure below, if $AC=17$ and $BC=14$, what is the radius?



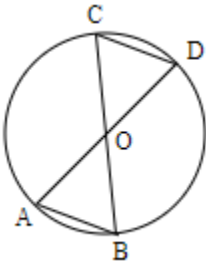
8) The segment \overline{CD} is tangent to circle T. Find $m\angle TDC$.



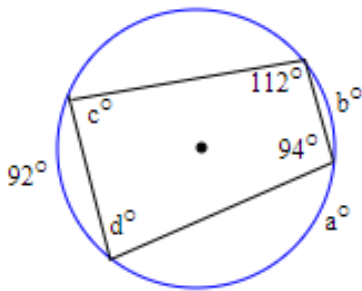
9) If \overline{PQ} and \overline{PR} are tangent to circle E in the given figure, find the value of x and find \overline{PR} .



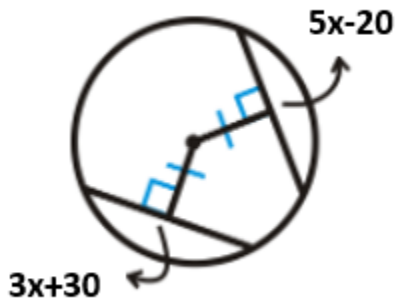
10) In circle O, $m\widehat{BD}=150$ and $\overline{AB} \cong \overline{CD}$. What is the $m\widehat{CA}$?



11) Find the value of a , b , c , and d .

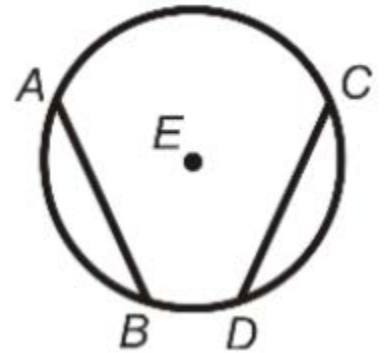


12) Solve for x.

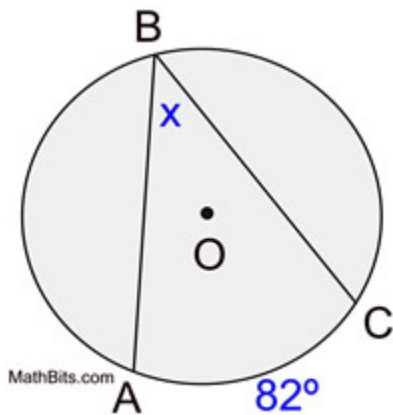


13) In the circle below the center is E and $\overline{AB} \cong \overline{CD}$.

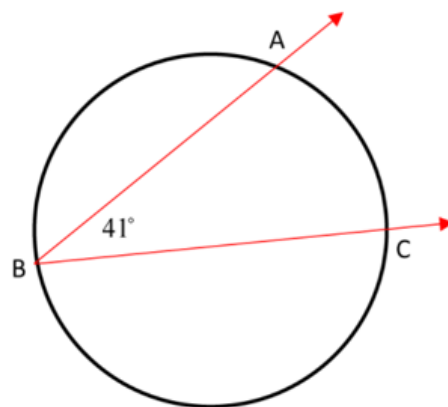
If $\widehat{AB} = 15x - 2$ and $\widehat{CD} = 10x + 23$, what is the value of x?



14) Solve for the inscribed angle.



15) Find the intercepted arc.



16) Solve for x and y.

