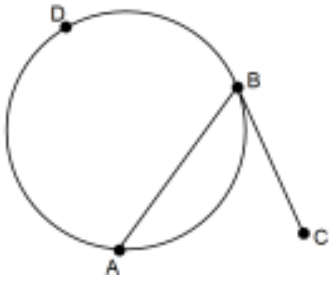
Geometry Review Practice for Ch 12 Part 2 Spring 2020

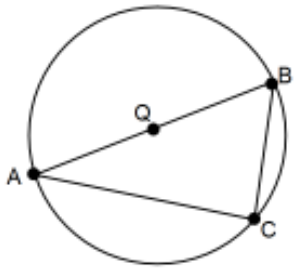
Round decimal answers to the nearest hundredth unless noted otherwise. Figures are not drawn to scale.

1. In the circle below $m\overset{\frown}{ADB} = 230°$ and $\overline{BC}$ is tangent. Find the measure of $\angle ABC$.



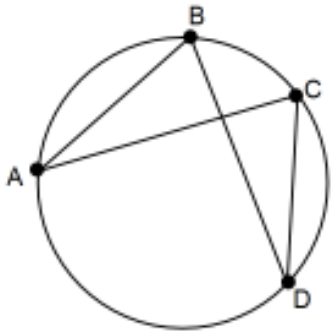
$m\angle ABC =$

2. $\overline{AB}$ is a diameter in $\odot Q$ and $m\angle BAC = 32°$. Find the measure of $\angle ABC$.



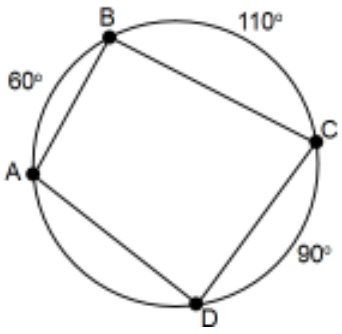
$m\angle ABC =$

3. In the circle below $\overline{AB} \cong \overline{CD}$, $m\angle CDB = 22°$, and $m\overset{\frown}{AB} = 95°$. Find $m\angle A$ and $m\overset{\frown}{AD}$.



$m\angle A =$ $m\overset{\frown}{AD} =$

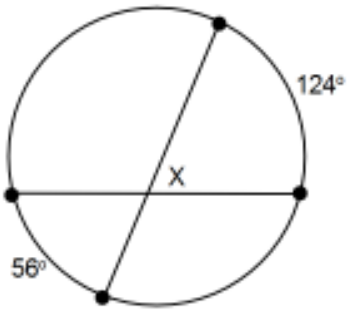
4. Quadrilateral ABCD is inscribed in the circle. Find the measures of all four angles.



$m\angle A =$ $m\angle B =$

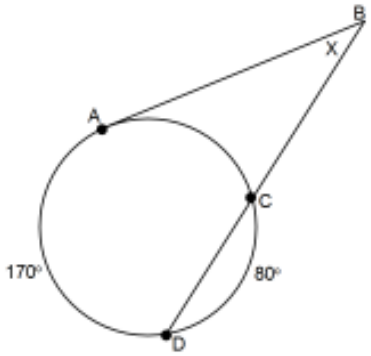
$m\angle C =$ $m\angle D =$

5. Find the value of x.



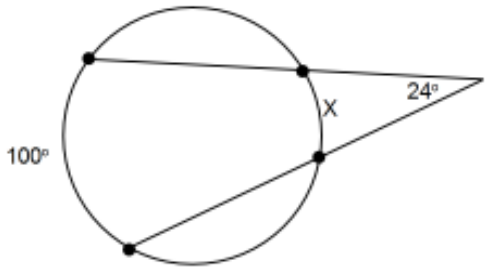
$x =$

6. $\overline{AB}$ is tangent to the circle. Find the value of x.



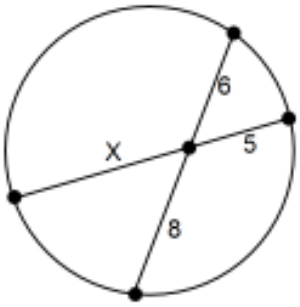
$x =$

7. Find the value of x.



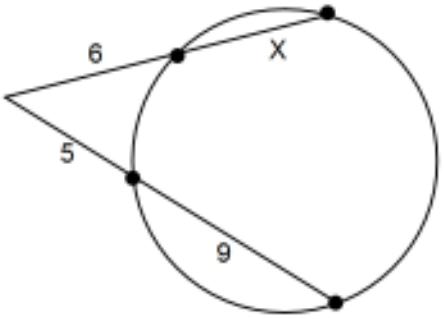
$x =$

8. Find the value of x.



$x =$

9. Find the value of x.



$x =$

10. Given the equation of the circle below state the length of the radius and the coordinates of the center.

$(x-9)^2+(y+2)^2=196$ Center: Radius =

11. Given the center of a circle $(-8,1)$ and the point $(3,4)$ is on the circle write the equation of this circle.

EQ: