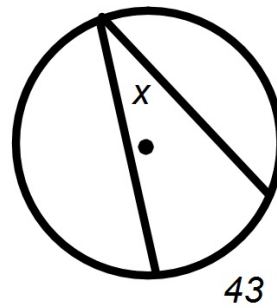
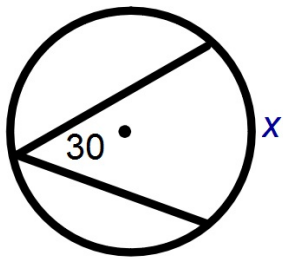


*Get in your assigned seat.

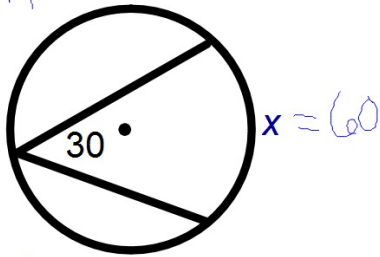
*Determine the value of x in each of the following circles.



*Determine the value of x in each of the following circles.

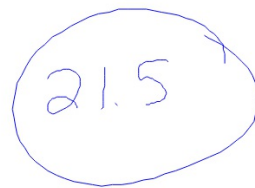


inscribed
 $m\angle = \frac{1}{2}m\widehat{}$

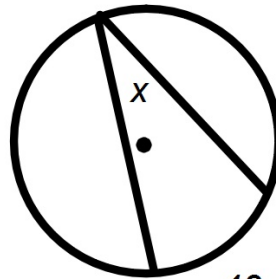


$$30 = \frac{1}{2}x$$

86

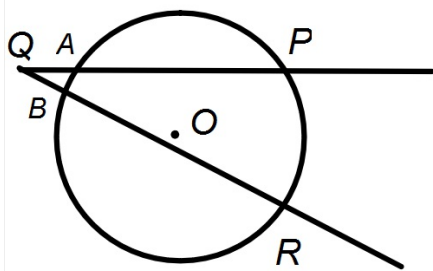


$$x = \frac{1}{2}(43)$$



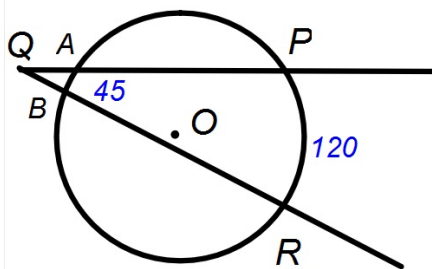
43

Angles with vertex outside of the circle.



$$m\angle PQR = \frac{m\widehat{PR} - m\widehat{AB}}{2}$$

Angles with vertex outside of the circle.



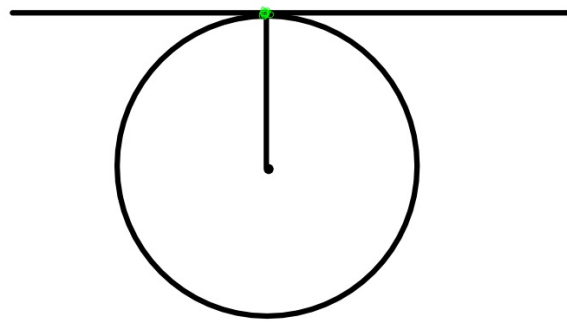
$$m\angle PQR = \frac{m\widehat{PR} - m\widehat{AB}}{2}$$

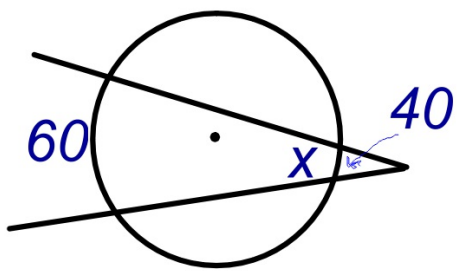
Determine $m\angle PQR$.

$$Q = \frac{120 - 45}{2} = \frac{75}{2} = 37.5$$

The angle formed when a radius meets a tangent at the point of tangency is a right angle.

Where the tangent line intersects the circle.





Determine the value of x .

$$(2) 40 = \frac{60 - x}{2} \quad (2)$$

$$\begin{array}{r} 80 = 60 - x \\ -60 \quad -60 \\ \hline 20 = -x \end{array}$$

