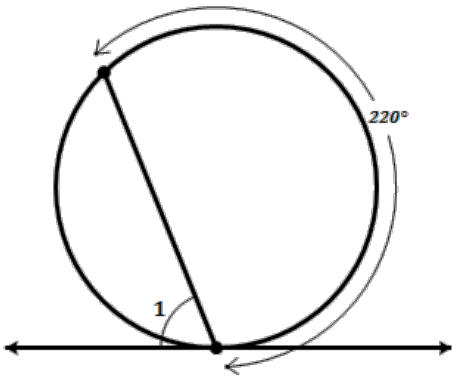


Homework 3.3 Inscribed Angles, Quadrilaterals

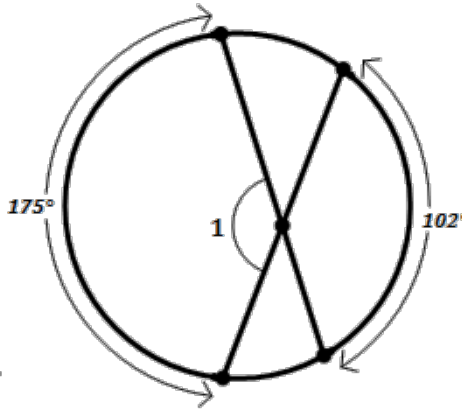
Find the measure of $\angle 1$ in each diagram

1.



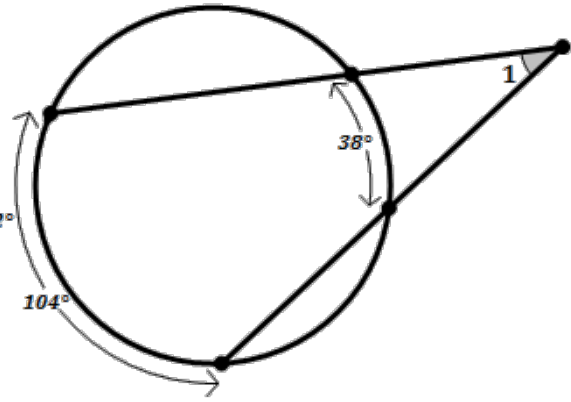
$m\angle 1 =$

2.



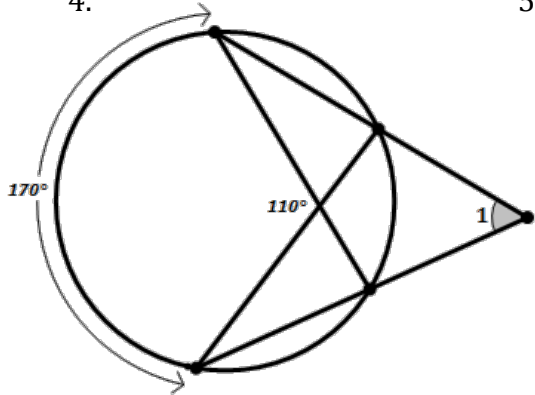
$m\angle 1 =$

3.



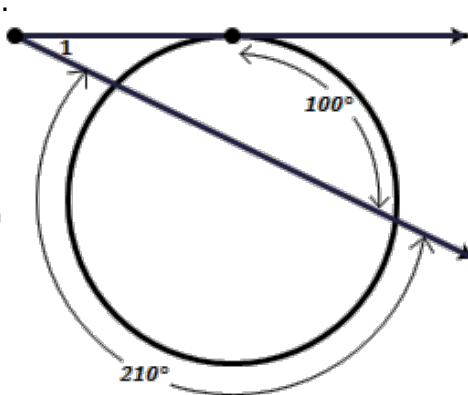
$m\angle 1 =$

4.



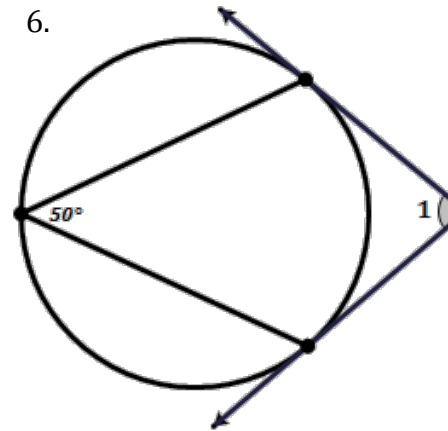
$m\angle 1 =$

5.



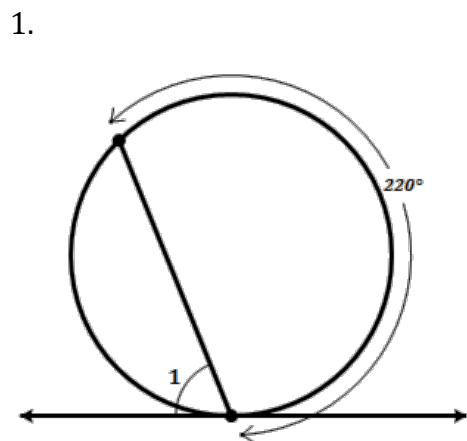
$m\angle 1 =$

6.

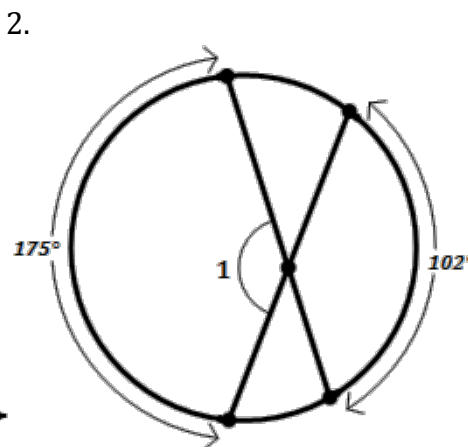


$m\angle 1 =$

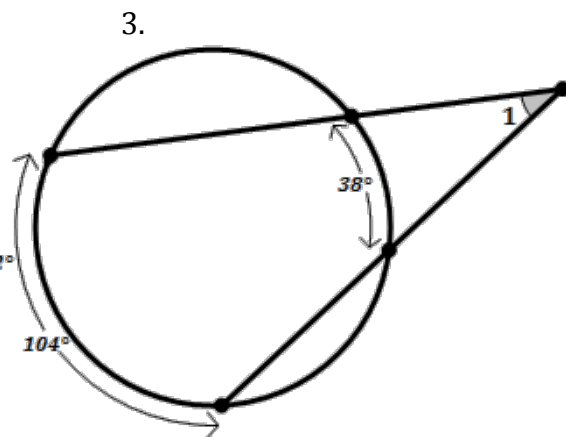
Find the measure of $\angle 1$ in each diagram



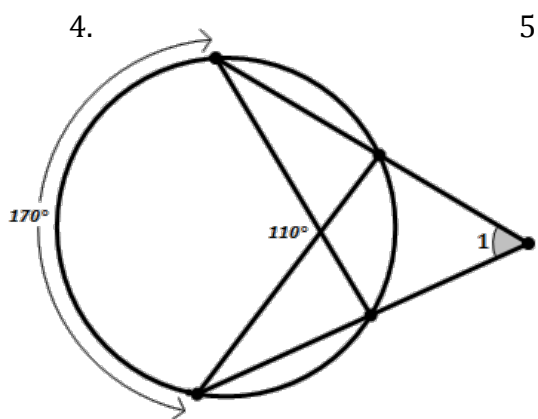
$$m\angle 1 = 70^\circ$$



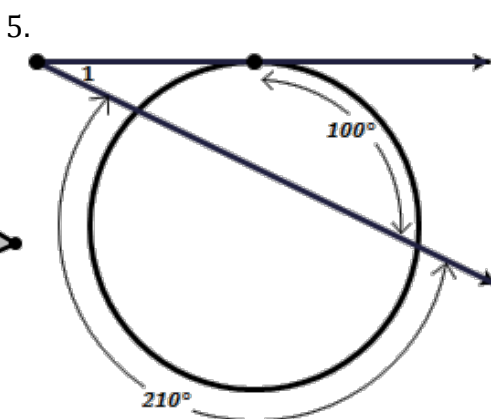
$$m\angle 1 = 138.5^\circ$$



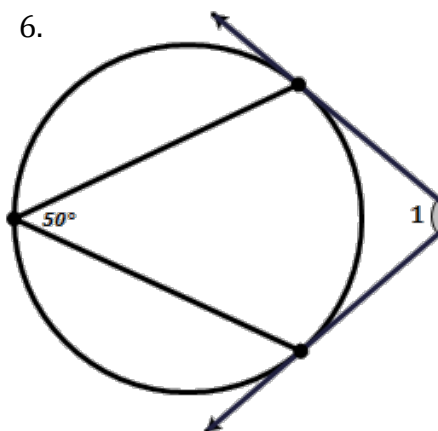
$$m\angle 1 = 33^\circ$$



$$m\angle 1 = 60^\circ$$

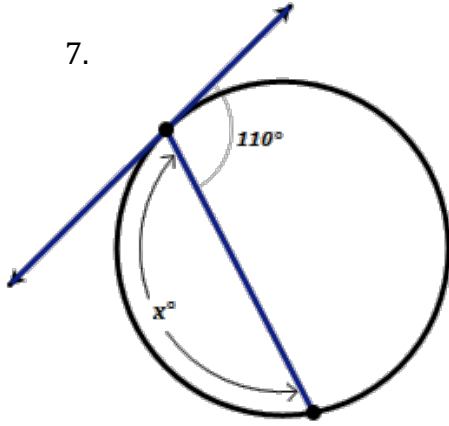


$$m\angle 1 = 25^\circ$$

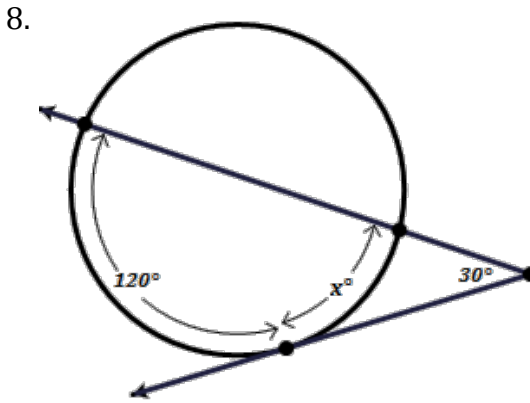


$$m\angle 1 = 80^\circ$$

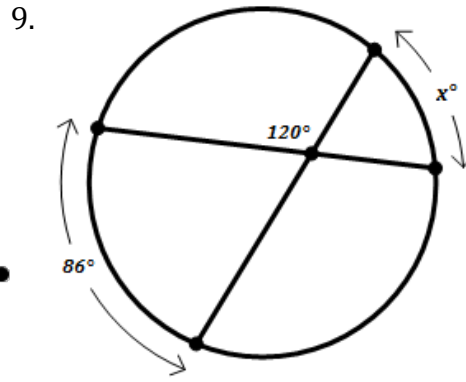
Find the measure of $\angle 1$ in each diagram



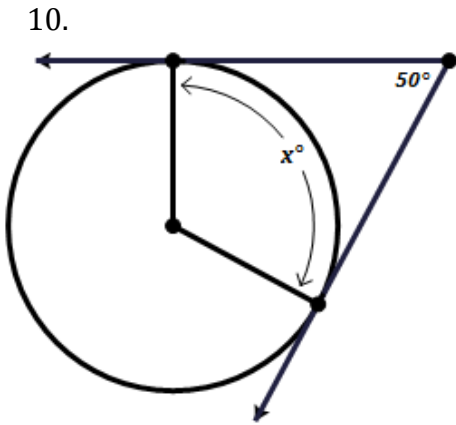
$x =$



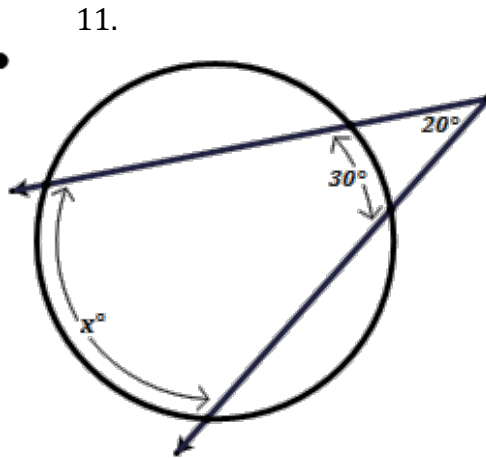
$x =$



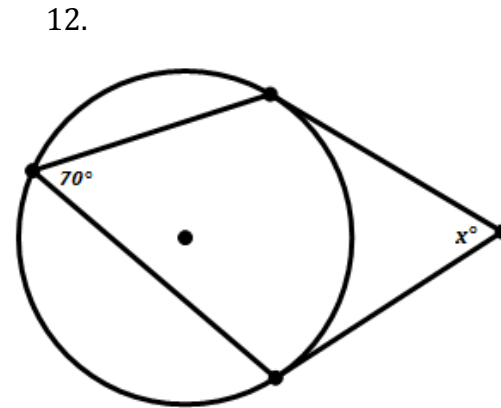
$x =$



$x =$



$x =$

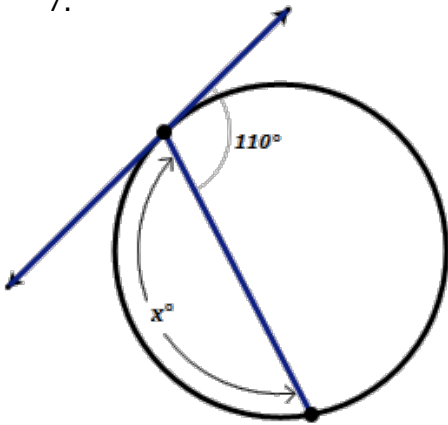


**Assume External segments are tangent to the circle

$x =$

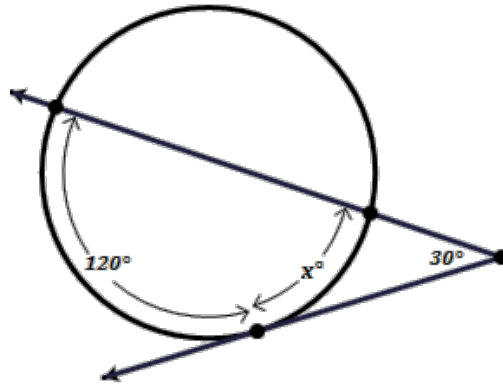
Find the value of x that makes the diagram correct.

7.



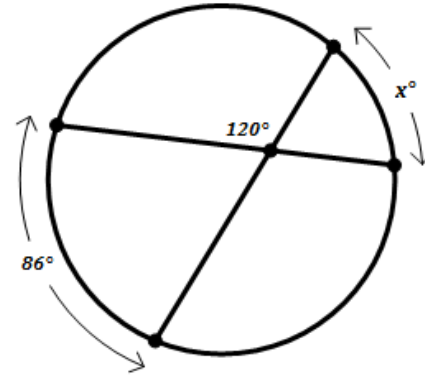
$$x = 140^\circ$$

8.



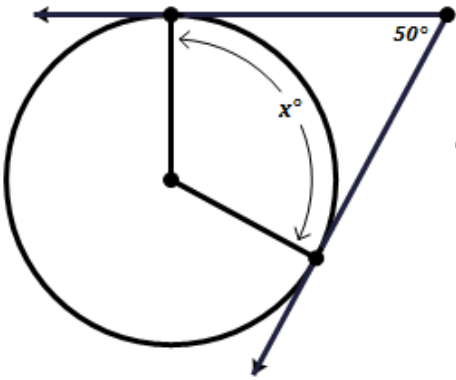
$$x = 60^\circ$$

9.



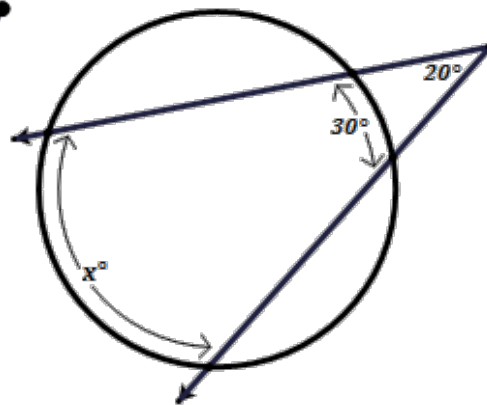
$$x = 34^\circ$$

10.



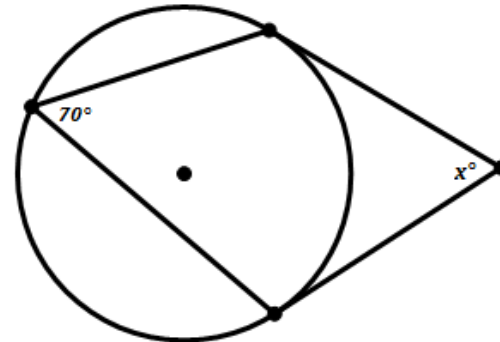
$$x = 130^\circ$$

11.



$$x = 70^\circ$$

12.



**Assume External segments are tangent to the circle

$$x = 40^\circ$$