

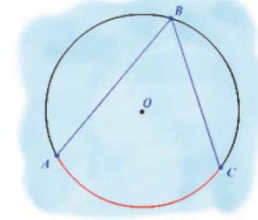
Name :

Class :



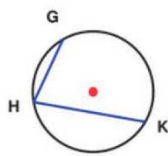
# Inscribed Angles

The angle formed in the interior of a circle when two chords intersect on the circle



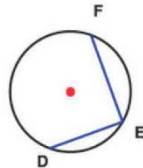
Decide if each angle is an inscribed angle. If it is, name the angle.

1)



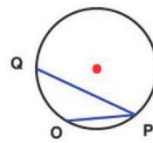
Yes;  $m \angle GHK$

2)



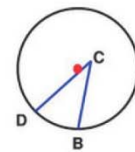
Yes;  $m \angle DEF$

3)



Yes;  $m \angle OPQ$

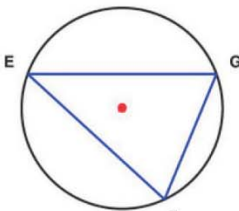
4)



No

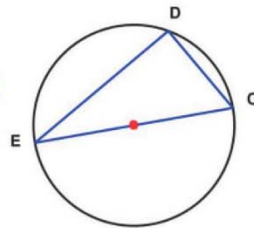
Find the measure of the indicated angle or arc.

5)



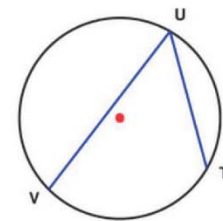
$m \angle EFG = 70^\circ$   
 $\widehat{EG} = 140^\circ$

6)



$m \angle CDE = 90^\circ$   
 $\widehat{CE} = 180^\circ$

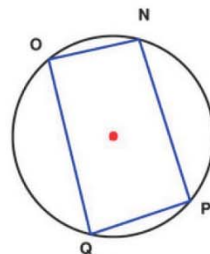
7)



$m \angle TUV = 52.5^\circ$   
 $\widehat{UT} = 90^\circ$   
 $\widehat{UV} = 165^\circ$

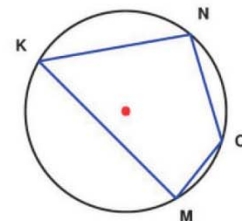
Solve for x.

8)



$m \angle QPN = 91^\circ$   
 $\widehat{ON} = 55^\circ$   
 $\widehat{QO} = 8x + 7^\circ$   
 $x = 15$

9)



$m \angle KMO = 83.5^\circ$   
 $\widehat{MO} = 43^\circ$   
 $\widehat{MK} = 5x^\circ$   
 $x = 30$