

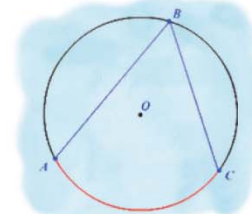
Name :

Class :



Inscribed Angles

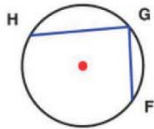
The angle formed in the interior of a circle when two chords intersect on the circle



Inscribed Angles

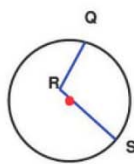
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.

1)



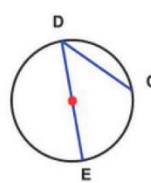
Yes; $m \angle FGH$; \widehat{FH}

2)



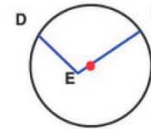
No

3)



Yes; $m \angle CDE$; \widehat{CE}

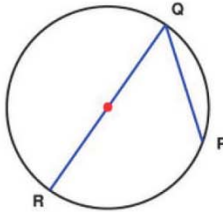
4)



No

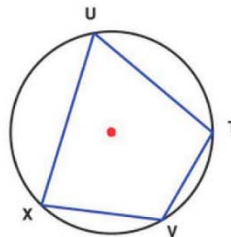
Find the measure of the indicated angle or arc.

5)



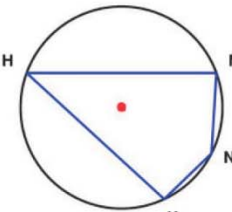
$m \angle PQR = 52.5^\circ$
 $\widehat{PR} = 105^\circ$

6)



$m \angle XVT = 113^\circ$
 $\widehat{UT} = 100^\circ$
 $\widehat{XU} = 126^\circ$

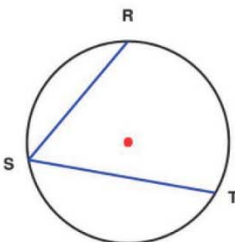
7)



$m \angle KHM = 42.5^\circ$
 $\widehat{KNM} = 85^\circ$

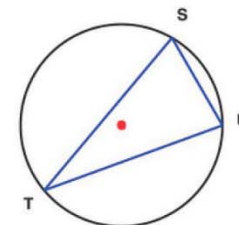
Solve for x.

8)



$m \angle RST = 60^\circ$
 $\widehat{SR} = 100^\circ$
 $\widehat{ST} = 20x^\circ$
 $x = 7$

9)



$m \angle STU = 30^\circ$
 $\widehat{SU} = 4x^\circ$
 $x = 15$