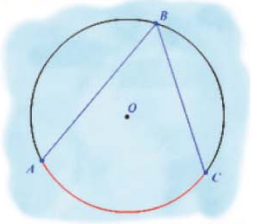
Name : Class :

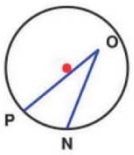
Inscribed Angles

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



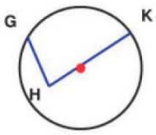
Decide if each angle is an inscribed angle. If it is, name the angle.

1)



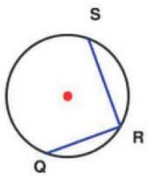
No

2)



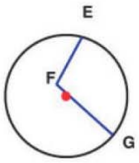
No

3)



Yes; m∠QRS

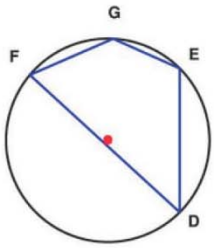
4)



No

Find the measure of the indicated angle or arc.

5)

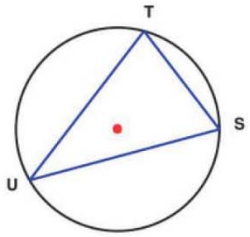


m∠GFD = 66°

$\overset{\frown}{ED}$ = 90°

$\overset{\frown}{GE}$ = 42 °

6)

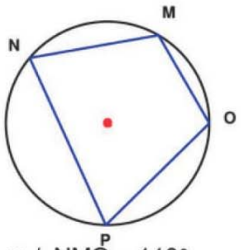


m∠STU = 75°

$\overset{\frown}{TS}$ = 75°

$\overset{\frown}{TU}$ = 135°

7)

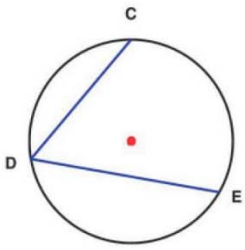


m∠NMO = 110°

$\overset{\frown}{NPO}$ = 220°

Solve for x.

8)

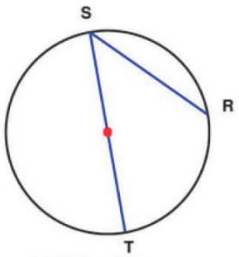


m∠CDE = 4x°

$\overset{\frown}{CE}$ = 120°

x = 15

9)



m∠RST = 45°

$\overset{\frown}{SR}$ = 90°

$\overset{\frown}{ST}$ = 10x°

x = 18