

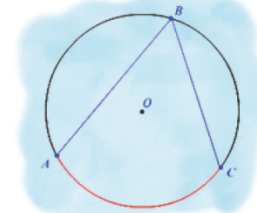
Name :

Class :



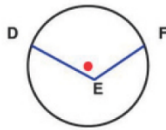
# Inscribed Angles

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



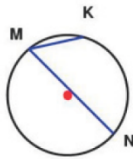
Decide if each angle is an inscribed angle. If it is, name the angle.

1)



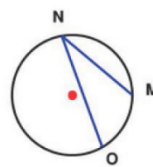
No

2)



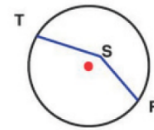
Yes;  $m\angle KMN$

3)



Yes;  $m\angle MNO$

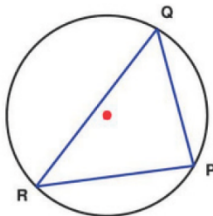
4)



No

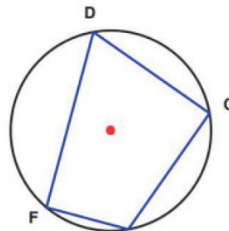
Find the measure of the indicated angle or arc.

5)



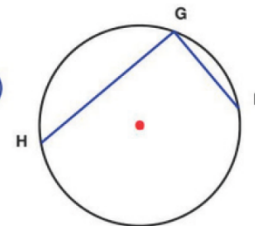
$$\begin{aligned} m\angle PQR &= 52.5^\circ \\ \widehat{QP} &= 90^\circ \\ \widehat{QR} &= 165^\circ \end{aligned}$$

6)



$$\begin{aligned} m\angle CDF &= 70^\circ \\ \widehat{DF} &= 130^\circ \\ \widehat{DC} &= 90^\circ \end{aligned}$$

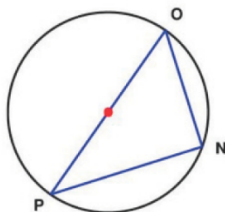
7)



$$\begin{aligned} m\angle FGH &= 90^\circ \\ \widehat{FH} &= 180^\circ \end{aligned}$$

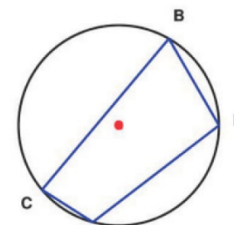
Solve for x.

8)



$$\begin{aligned} m\angle NOP &= 8x + 4.5^\circ \\ \widehat{NP} &= 105^\circ \\ x &= 5.9375 \end{aligned}$$

9)



$$\begin{aligned} m\angle CBD &= 5x^\circ \\ \widehat{CED} &= 140^\circ \\ x &= 14 \end{aligned}$$