

Name : _____

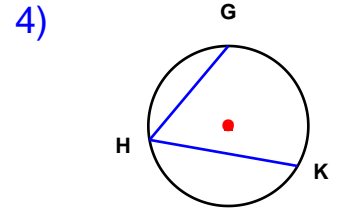
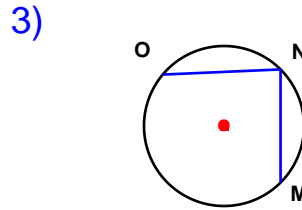
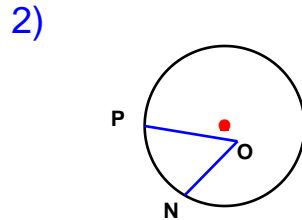
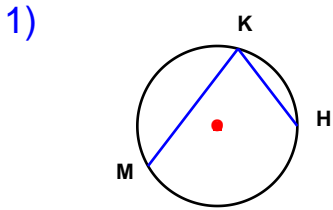
Score : _____

Teacher : _____

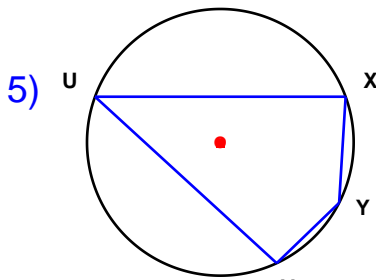
Date : _____

Inscribed Angles

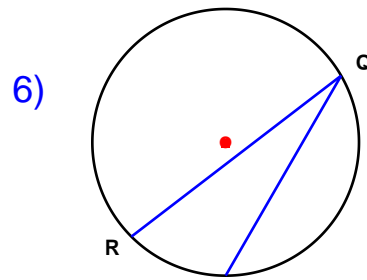
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.



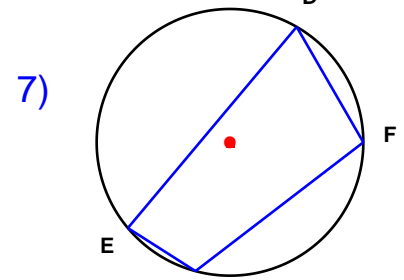
Find the measure of the indicated angle or arc.



$m\angle VUX = ?^\circ$
 $\widehat{VYX} = 85^\circ$

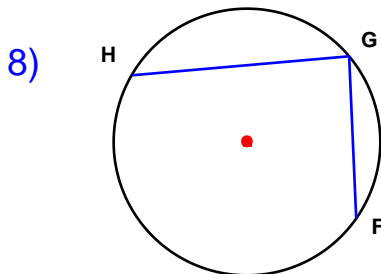


$m\angle PQR = 22.5^\circ$
 $\widehat{PR} = ?^\circ$

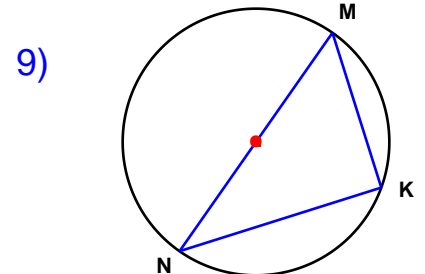


$m\angle DEG = 82.5^\circ$
 $\widehat{EG} = 35^\circ$
 $\widehat{ED} = ?^\circ$

Solve for x.



$m\angle FGH = 5x + 2.5^\circ$
 $\widehat{FH} = 175^\circ$



$m\angle KMN = 52.5^\circ$
 $\widehat{KN} = 2x + 1^\circ$



Name : _____

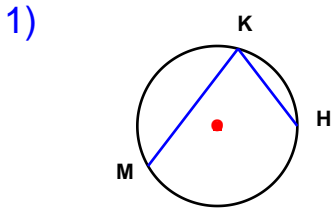
Score : _____

Teacher : _____

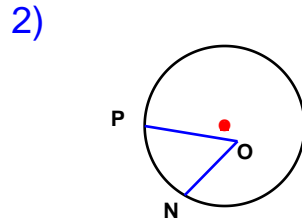
Date : _____

Inscribed Angles

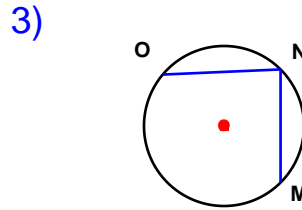
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.



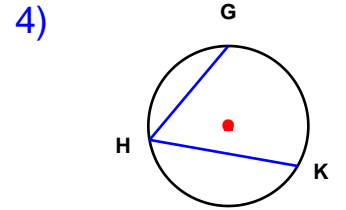
Yes; $m \angle HKM; \widehat{HM}$



No

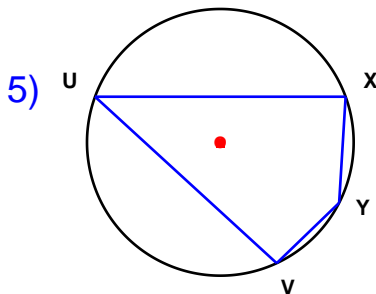


Yes; $m \angle MNO; \widehat{MO}$



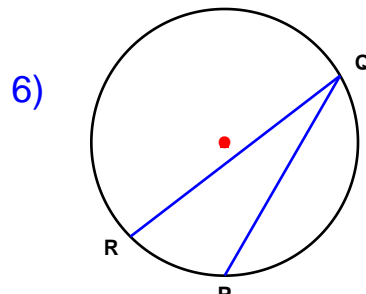
Yes; $m \angle GHK; \widehat{GK}$

Find the measure of the indicated angle or arc.



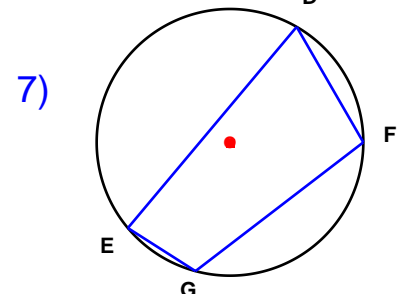
$$m \angle VUX = 42.5^\circ$$

$$\widehat{VYX} = 85^\circ$$



$$m \angle PQR = 22.5^\circ$$

$$\widehat{PR} = 45^\circ$$

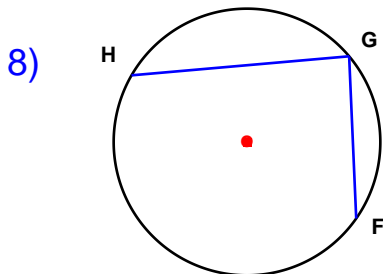


$$m \angle DEG = 82.5^\circ$$

$$\widehat{EG} = 35^\circ$$

$$\widehat{ED} = 160^\circ$$

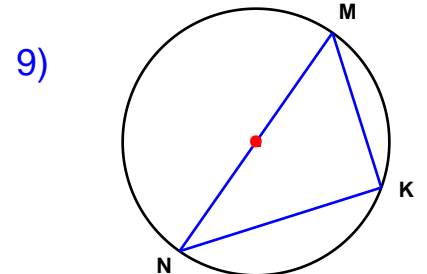
Solve for x.



$$m \angle FGH = 5x + 2.5^\circ$$

$$\widehat{FH} = 175^\circ$$

$$x = 16.9$$



$$m \angle KMN = 52.5^\circ$$

$$\widehat{KN} = 2x + 1^\circ$$

$$x = 52$$

