

Name : _____

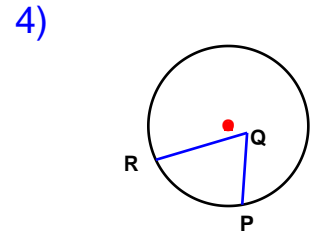
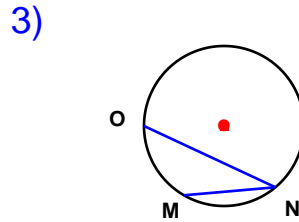
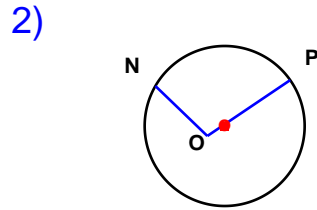
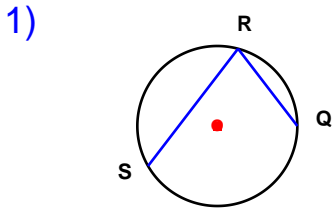
Score : _____

Teacher : _____

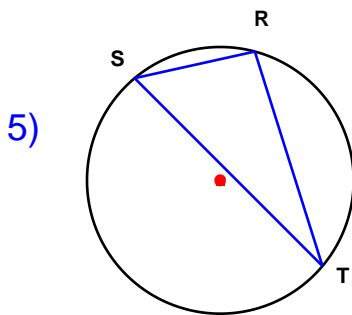
Date : _____

Inscribed Angles

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

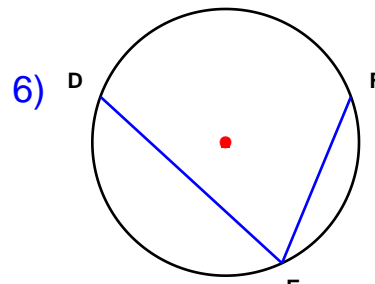


Find the measure of the indicated angle or arc.



$$m\angle RST = 57.5^\circ$$

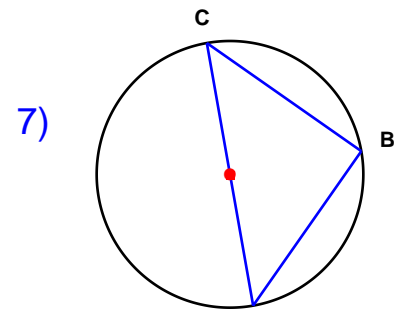
$$\widehat{RT} = ?^\circ$$



$$m\angle DEF = 70^\circ$$

$$\widehat{ED} = 135^\circ$$

$$\widehat{EF} = ?^\circ$$

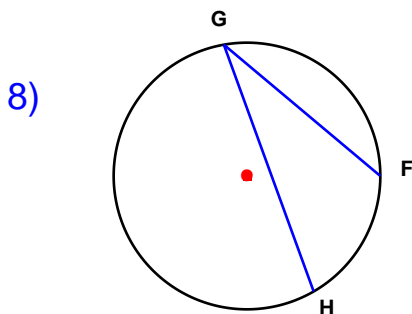


$$m\angle BCD = 45^\circ$$

$$\widehat{CB} = 90^\circ$$

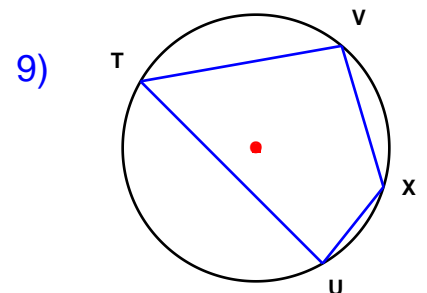
$$\widehat{CD} = ?^\circ$$

Solve for x.



$$m\angle FGH = 8x + 6^\circ$$

$$\widehat{FH} = 60^\circ$$



$$m\angle XVU = 96.5^\circ$$

$$\widehat{UT} = 150^\circ$$

$$\widehat{XU} = 20x + 3^\circ$$



Name : _____

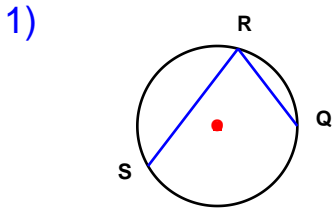
Score : _____

Teacher : _____

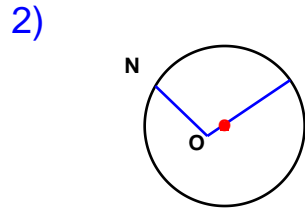
Date : _____

Inscribed Angles

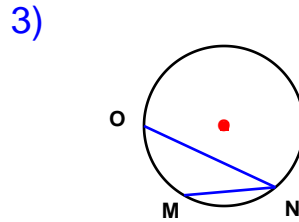
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.



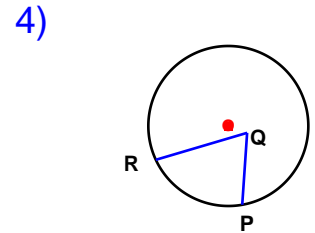
Yes; $m \angle QRS; \widehat{QS}$



No

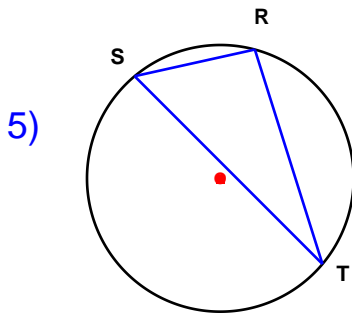


Yes; $m \angle MNO; \widehat{MO}$



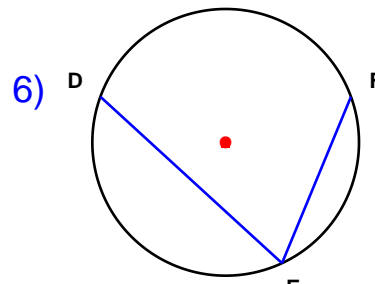
No

Find the measure of the indicated angle or arc.



$$m \angle RST = 57.5^\circ$$

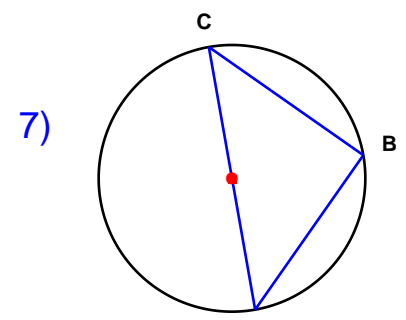
$$\widehat{RT} = 115^\circ$$



$$m \angle DEF = 70^\circ$$

$$\widehat{ED} = 135^\circ$$

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

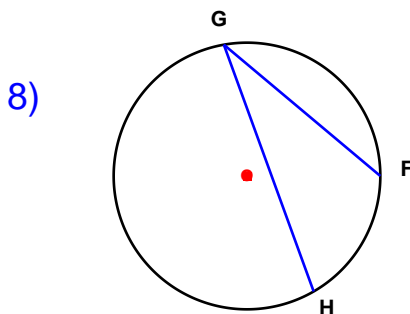


$$m \angle BCD = 45^\circ$$

$$\widehat{CB} = 90^\circ$$

$$\widehat{CD} = 180^\circ$$

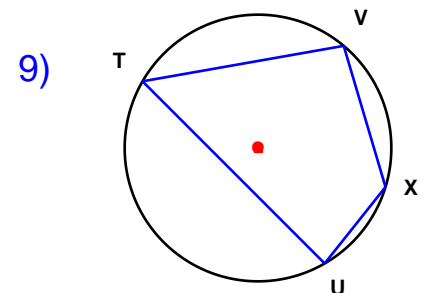
Solve for x.



$$m \angle FGH = 8x + 6^\circ$$

$$\widehat{FH} = 60^\circ$$

$$x = 3$$



$$m \angle XVU = 96.5^\circ$$

$$\widehat{UT} = 150^\circ$$

$$\widehat{XU} = 20x + 3^\circ$$

$$x = 2$$

