

Name : _____

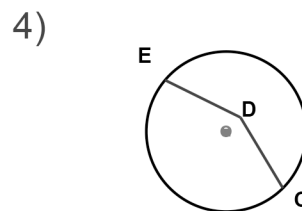
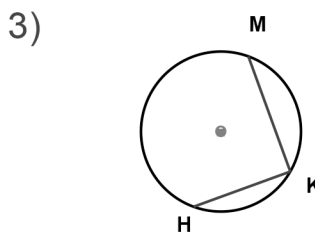
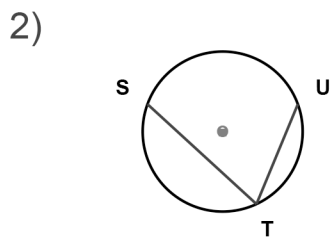
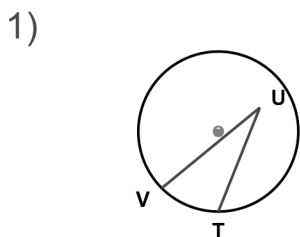
Score : _____

Teacher : _____

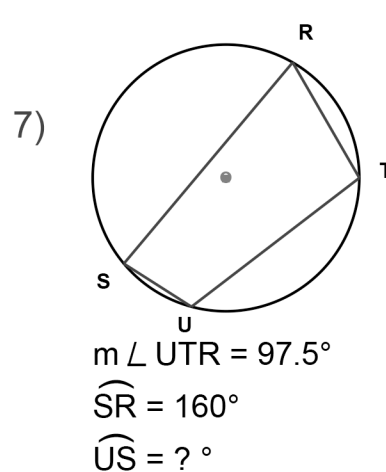
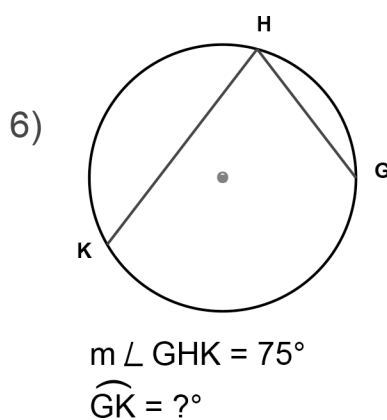
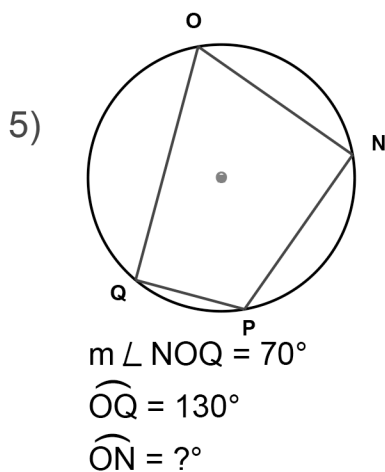
Date : _____

Inscribed Angles

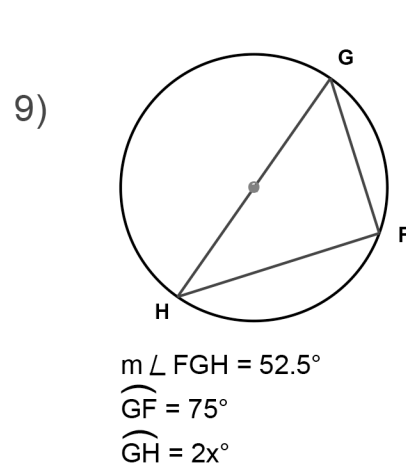
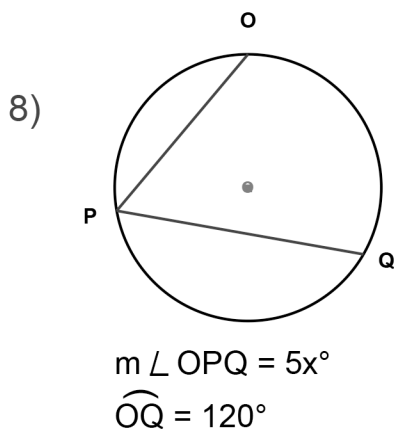
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.



Find the measure of the indicated angle or arc.



Solve for x.



Name : _____

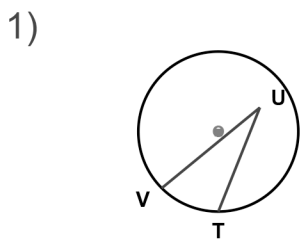
Score : _____

Teacher : _____

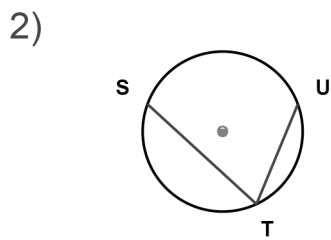
Date : _____

Inscribed Angles

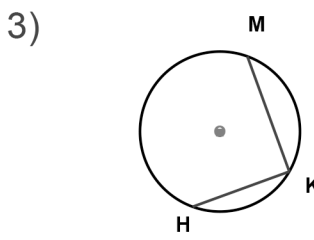
Decide if each angle is an inscribed angle. If it is, name the angle and intercepted arc.



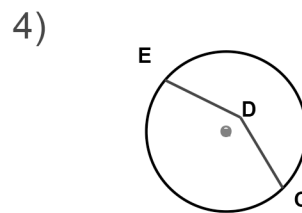
No



Yes; $m \angle STU; \widehat{SU}$

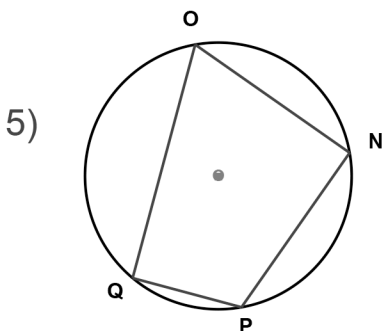


Yes; $m \angle HKM; \widehat{HM}$



No

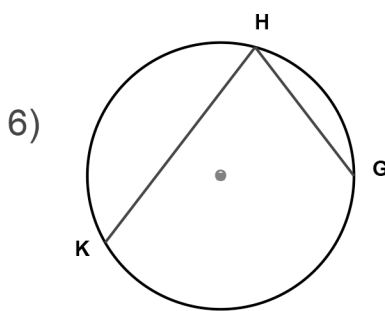
Find the measure of the indicated angle or arc.



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

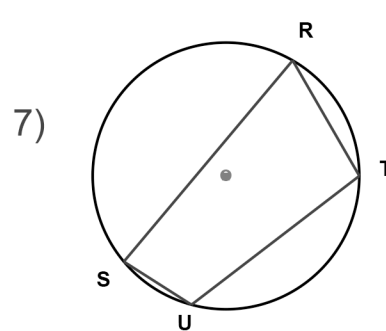
$$\widehat{OQ} = 130^\circ$$

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



$$m \angle GHK = 75^\circ$$

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

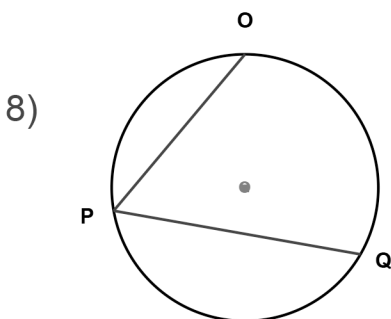


$$m \angle UTR = 97.5^\circ$$

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

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

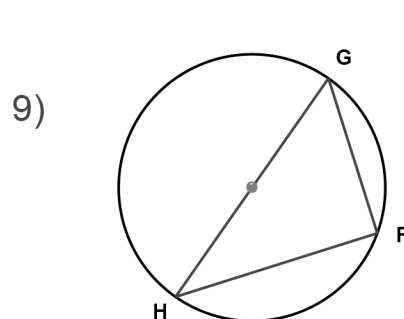
Solve for x.



$$m \angle OPQ = 5x^\circ$$

$$\widehat{OQ} = 120^\circ$$

$$x = 12$$



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

$$\widehat{GF} = 75^\circ$$

$$\widehat{GH} = 2x^\circ$$