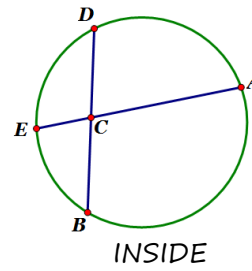
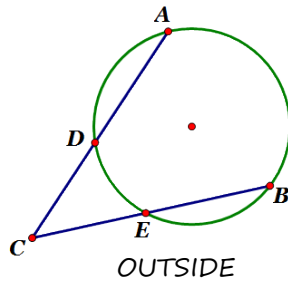
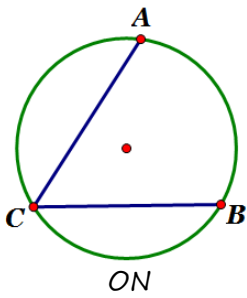
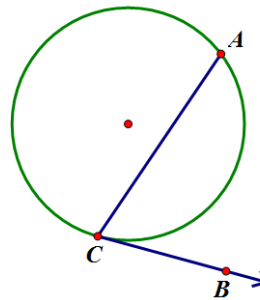
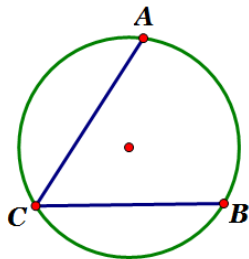


# Arc-Angle Relationships

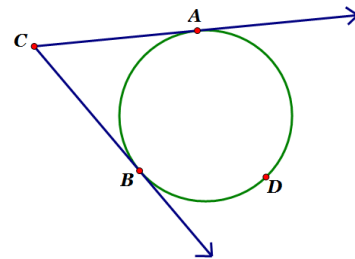
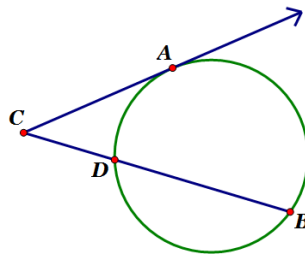
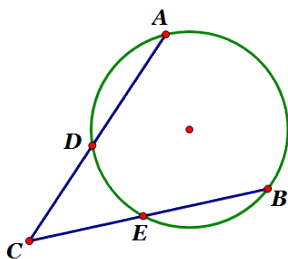
AKS 42: Identify and describe relationships among inscribed angles, radii, and chords (include the relationship between central, inscribed, and circumscribed angles; inscribed angles on a diameter are right angles; the radius of a circle is perpendicular to the tangent where the radius intersects the circle).



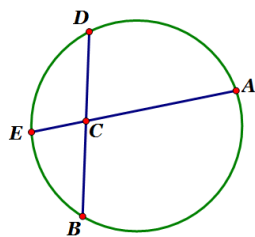
## Vertex On Circle



## Vertex Outside Circle

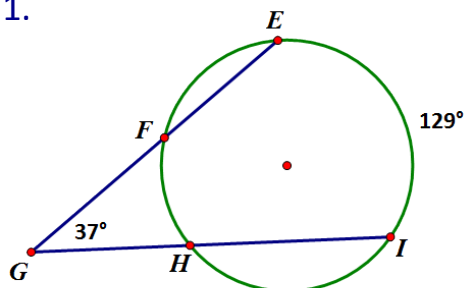


## Vertex Inside Circle



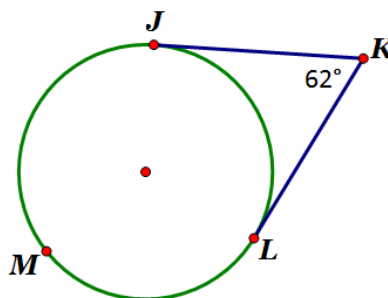
# PRACTICE

1.



$$m\widehat{FH} = \underline{\hspace{2cm}}$$

2.

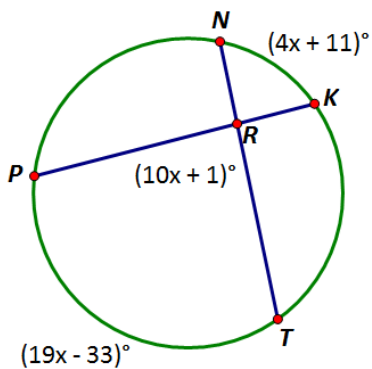


$\overline{JK}$  and  $\overline{KL}$  are tangent to the circle.

$$m\widehat{JL} = \underline{\hspace{2cm}}$$

$$m\widehat{JML} = \underline{\hspace{2cm}}$$

3.



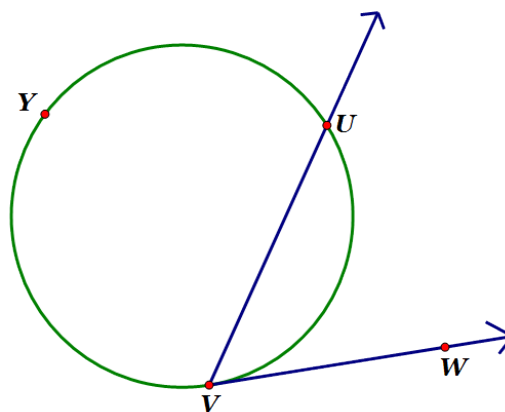
$$x = \underline{\hspace{2cm}}$$

$$m\angle PRT = \underline{\hspace{2cm}}$$

$$m\widehat{NK} = \underline{\hspace{2cm}}$$

$$m\widehat{PT} = \underline{\hspace{2cm}}$$

4.



$$m\angle UVW = 56^\circ$$

$$m\widehat{UV} = \underline{\hspace{2cm}}$$

$$m\widehat{UYV} = \underline{\hspace{2cm}}$$