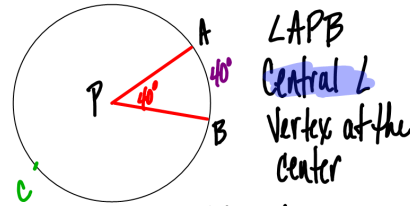


9.3 Inscribed Angles and Arcs



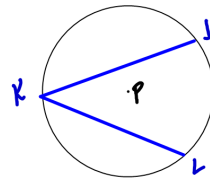
$\angle APB$
Central \angle
Vertex at the center

Intercepts \widehat{AB}

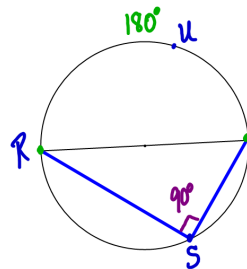
$m \widehat{ACB} = 320^\circ$

Inscribed Angle
Vertex on the circle

$\angle JKL$



Intercepted Arc
 \widehat{JL}

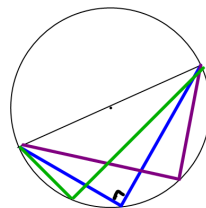


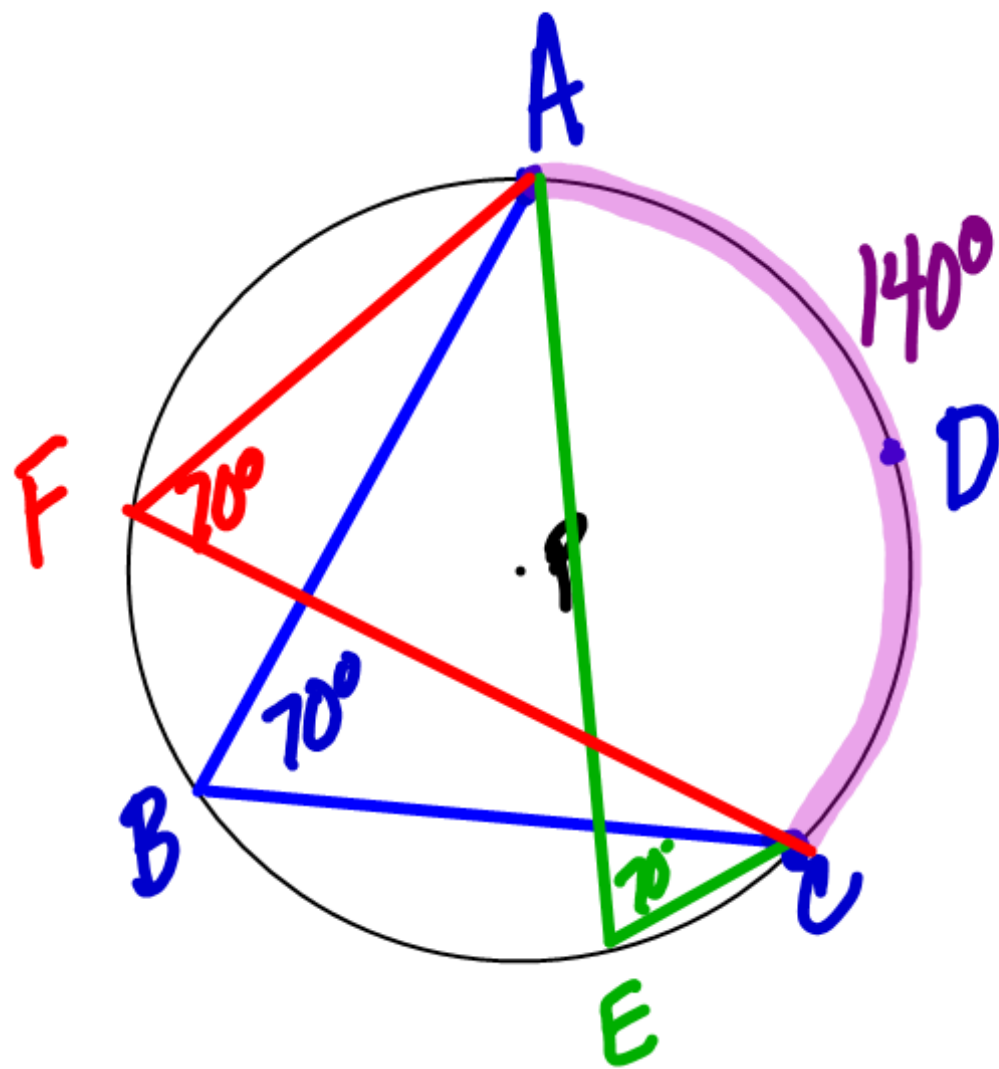
Inscribed \angle
 $\angle RST$

Intercepted Arc
 \widehat{RUT}

Semicircle

Measure of inscribed \angle is half of intercepted arc.





Inscribed \angle
 $\angle ABC$

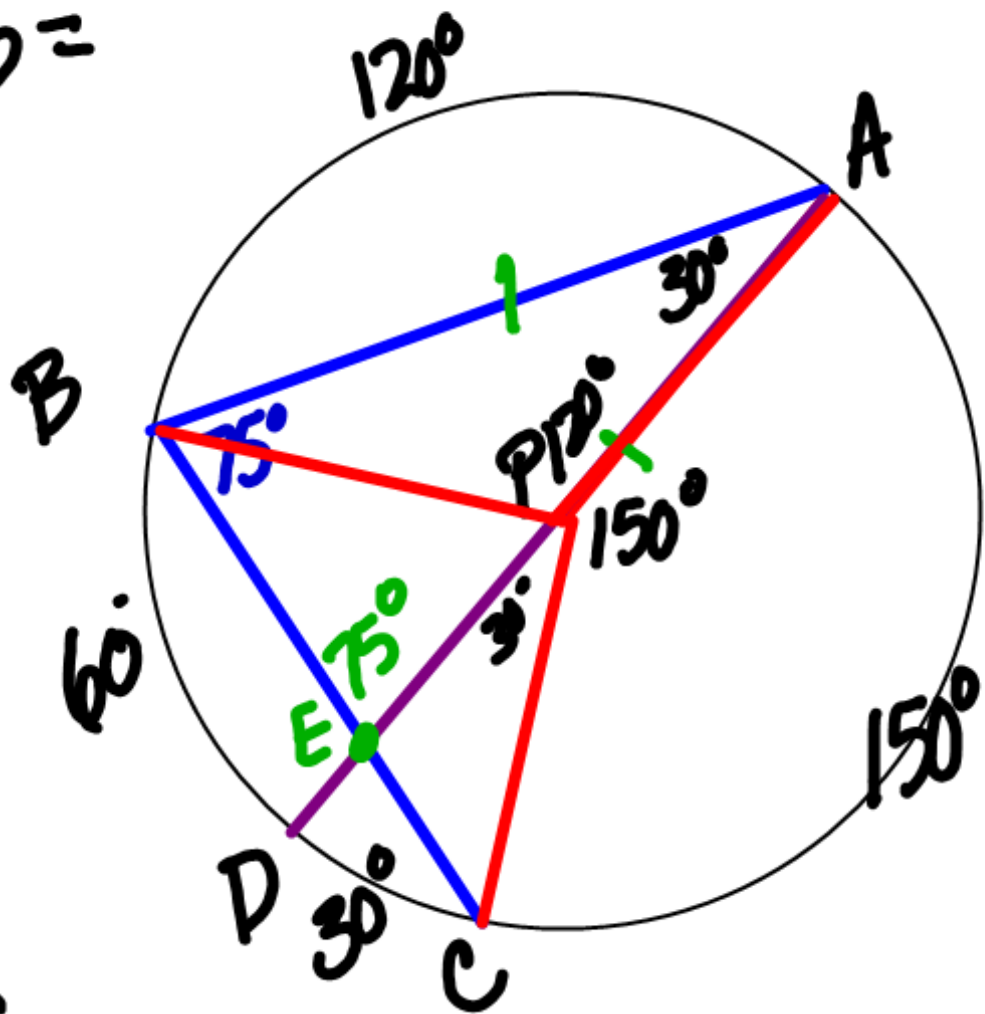
Intercepted
 Arc

\widehat{AC}

$$m \widehat{AC} = 140^\circ$$

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

$$m \widehat{AB} =$$



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

$$m \widehat{AC} = 150^\circ$$

$$m \angle APC = 150^\circ$$

$$m \widehat{BD}$$

m

p 585

11- 32 All