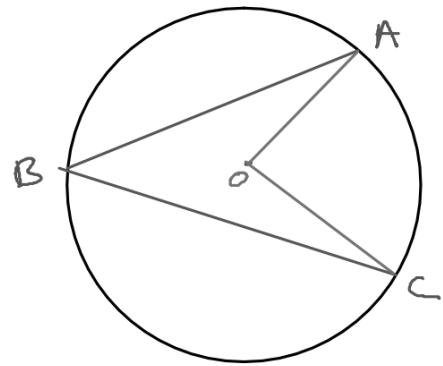


Inscribed Angle - Made by 2  
Chords Vertex  
is on the Circle

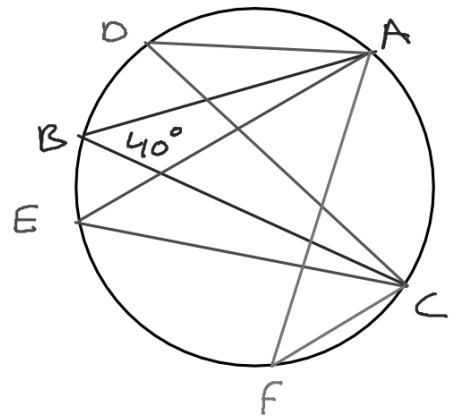


The measure of an inscribed angle is half the measure of its intercepted arc.

$$m\widehat{AC} = \frac{1}{2} m\angle ABC$$

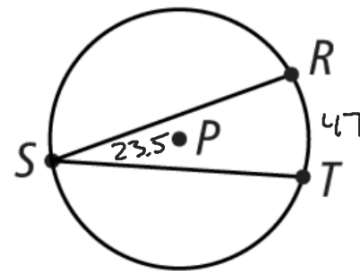
$$2 m\widehat{AC} = m\angle ABC$$

If inscribed  $\angle$ 's arc  $\cong$  they have the same intercepted Arc.

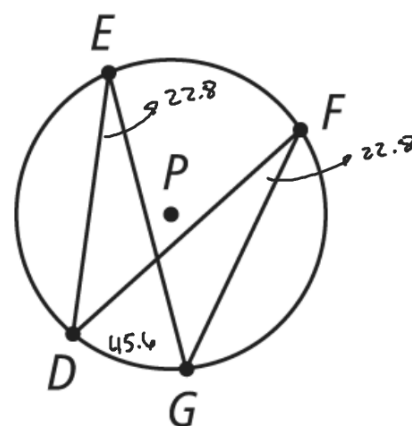


1. Given  $\odot P$  with inscribed angle  $\angle S$ , if  $m\widehat{RT} = 47$ , what is  $m\angle S$ ?

Enter your answer.

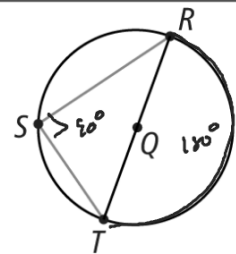


A. If  $m\widehat{DG} = 45.6$ , what are  $m\angle E$  and  $m\angle F$ ?



B. If  $\widehat{RT}$  is a semicircle, what is  $m\angle RST$ ?

**SOLUTION**



C. If  $m\widehat{ABC} = 184$  and  $m\widehat{BCD} = 242$ , what are the measures of the angles of quadrilateral  $ABCD$ ?

**SOLUTION**

$$\angle C = 59 \quad 69$$

$$\angle A = 121 \quad 111$$

