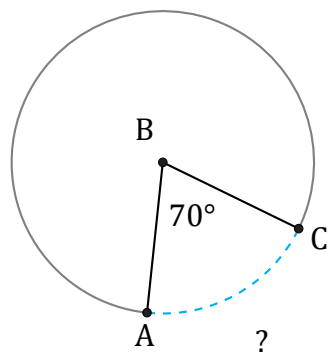


Arc Lengths and Angles (H)

Name: _____

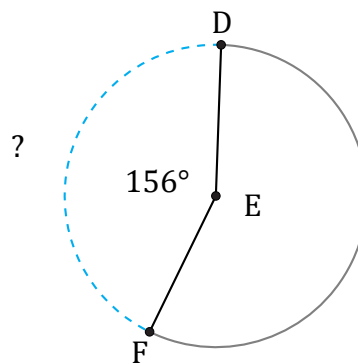
Date: _____

Calculate each arc length or angle measurement.



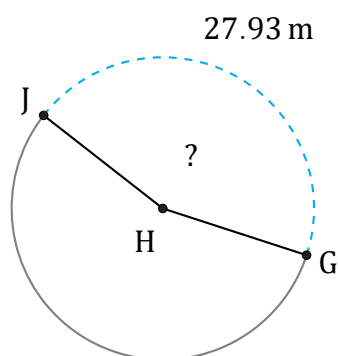
Radius = 680 cm

$\widehat{AC} =$



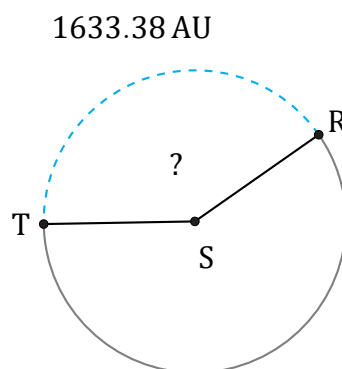
Radius = 9 cm

$\widehat{DF} =$



Radius = 10 m

$\angle GHJ =$



Radius = 641 AU

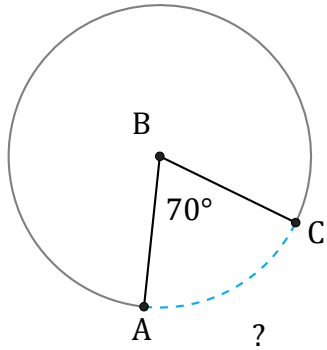
$\angle RST =$

Arc Lengths and Angles (H) Answers

Name: _____

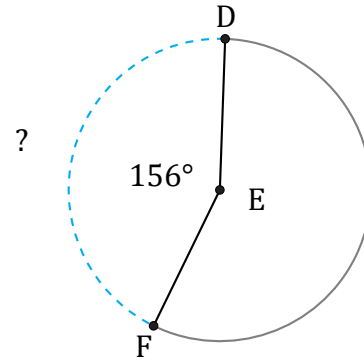
Date: _____

Calculate each arc length or angle measurement.



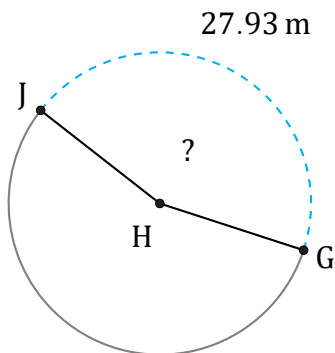
Radius = 680 cm

$$\widehat{AC} = \frac{70}{360} \times \pi \times 680 \times 2 = 830.78 \text{ cm}$$



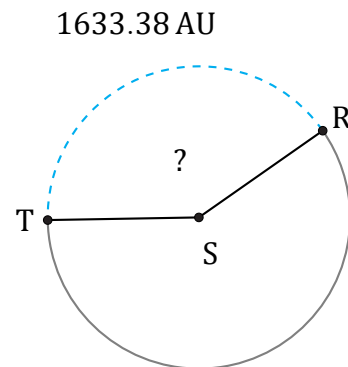
Radius = 9 cm

$$\widehat{DF} = \frac{156}{360} \times \pi \times 9 \times 2 = 24.5 \text{ cm}$$



Radius = 10 m

$$\angle GHJ = \frac{27.93}{10 \times \pi \times 2} \times 360 = 160^\circ$$



Radius = 641 AU

$$\angle RST = \frac{1633.38}{641 \times \pi \times 2} \times 360 = 146^\circ$$