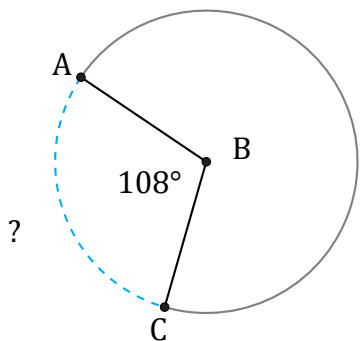


Arc Lengths and Angles (H)

Name: _____

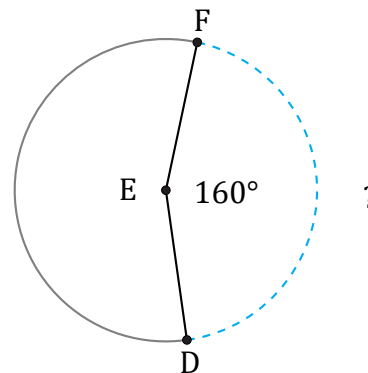
Date: _____

Calculate each arc length or angle measurement.



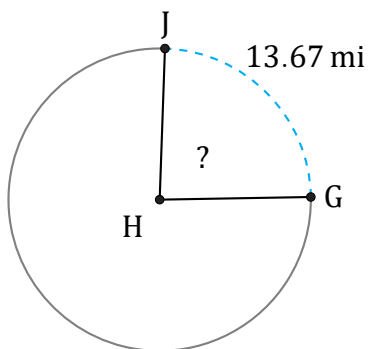
Diameter = 58 ft

$\widehat{AC} =$



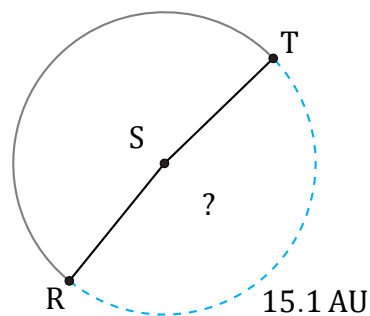
Diameter = 760 m

$\widehat{DF} =$



Diameter = 18 mi

$\angle GHJ =$



Diameter = 10 AU

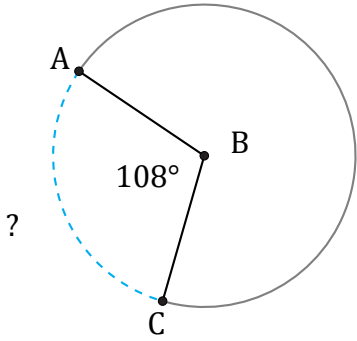
$\angle RST =$

Arc Lengths and Angles (H) Answers

Name: _____

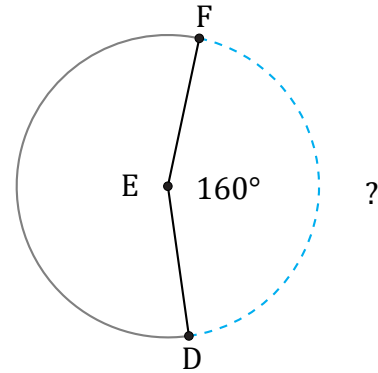
Date: _____

Calculate each arc length or angle measurement.



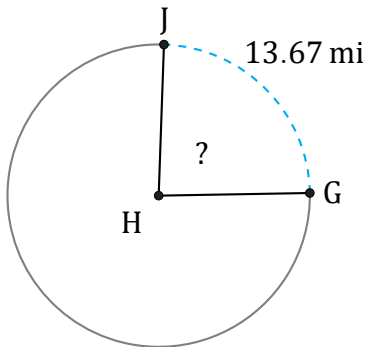
Diameter = 58 ft

$$\widehat{AC} = \frac{108}{360} \times \pi \times 58 = 54.66 \text{ ft}$$



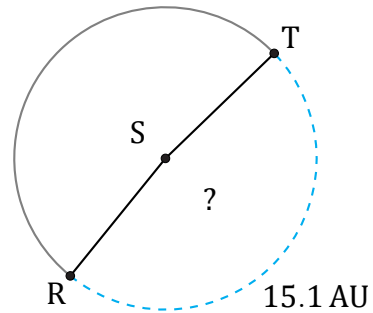
Diameter = 760 m

$$\widehat{DF} = \frac{160}{360} \times \pi \times 760 = 1061.16 \text{ m}$$



Diameter = 18 mi

$$\angle GHJ = \frac{13.67}{18 \times \pi} \times 360 = 87^\circ$$



Diameter = 10 AU

$$\angle RST = \frac{15.1}{10 \times \pi} \times 360 = 173^\circ$$