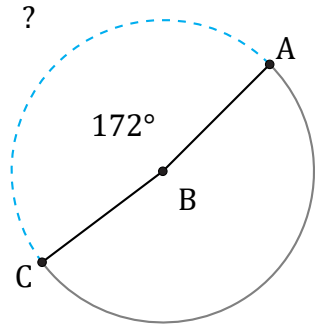


Arc Lengths and Angles (C)

Name: _____

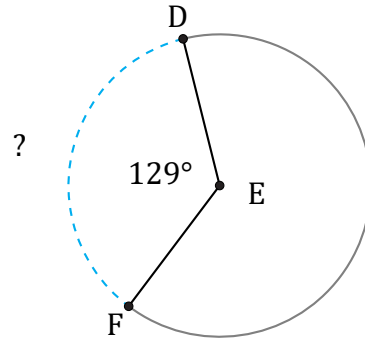
Date: _____

Calculate each arc length or angle measurement.



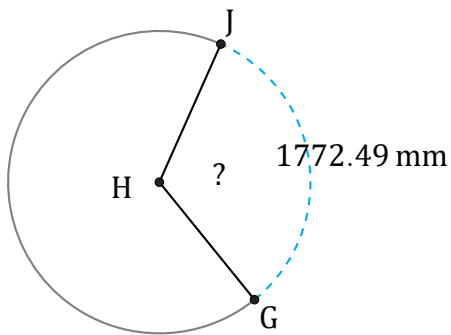
Diameter = 4 cm

$\widehat{AC} =$



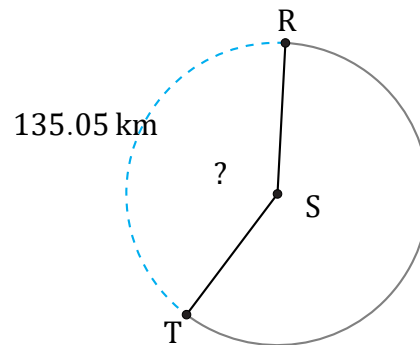
Diameter = 40 in

$\widehat{DF} =$



Diameter = 1736 mm

$\angle GHJ =$



Diameter = 106 km

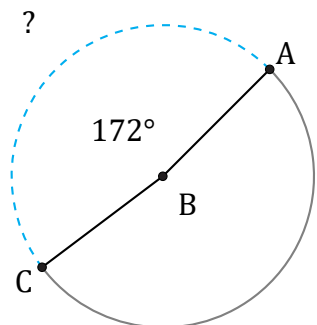
$\angle RST =$

Arc Lengths and Angles (C) Answers

Name: _____

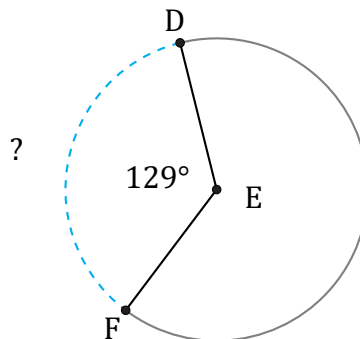
Date: _____

Calculate each arc length or angle measurement.



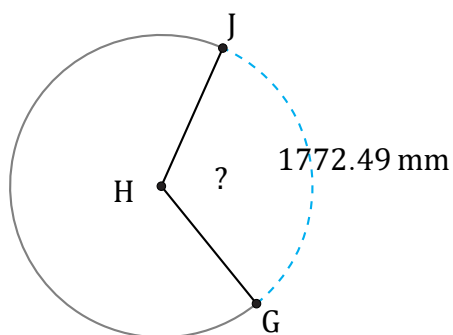
Diameter = 4 cm

$$\widehat{AC} = \frac{172}{360} \times \pi \times 4 = 6 \text{ cm}$$



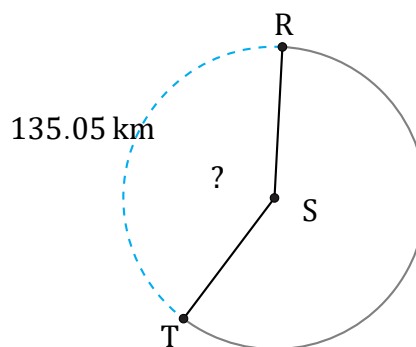
Diameter = 40 in

$$\widehat{DF} = \frac{129}{360} \times \pi \times 40 = 45.03 \text{ in}$$



Diameter = 1736 mm

$$\angle GHJ = \frac{1772.49}{1736 \times \pi} \times 360 = 117^\circ$$



Diameter = 106 km

$$\angle RST = \frac{135.05}{106 \times \pi} \times 360 = 146^\circ$$