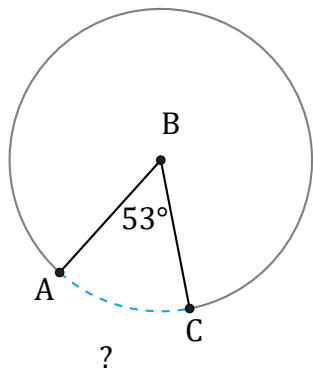


Arc Lengths and Angles (D)

Name: _____

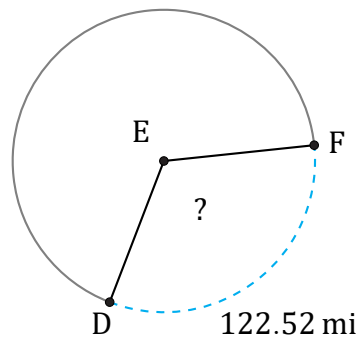
Date: _____

Calculate each arc length or angle measurement.



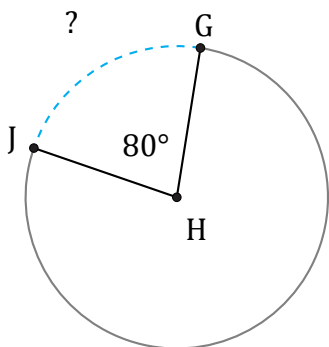
Radius = 89 mm

$\widehat{AC} =$



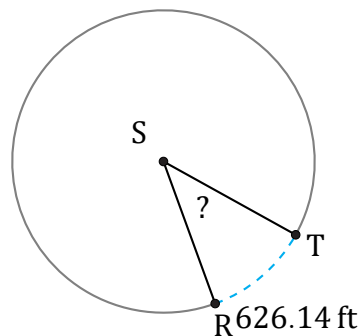
Radius = 60 mi

$\angle DEF =$



Radius = 792 mm

$\widehat{GJ} =$



Radius = 875 ft

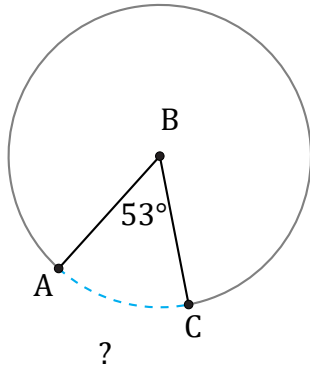
$\angle RST =$

Arc Lengths and Angles (D) Answers

Name: _____

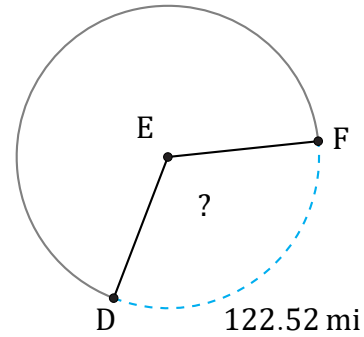
Date: _____

Calculate each arc length or angle measurement.



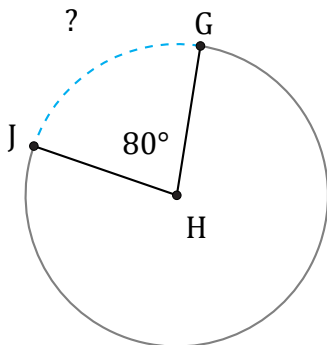
Radius = 89 mm

$$\widehat{AC} = \frac{53}{360} \times \pi \times 89 \times 2 = 82.33 \text{ mm}$$



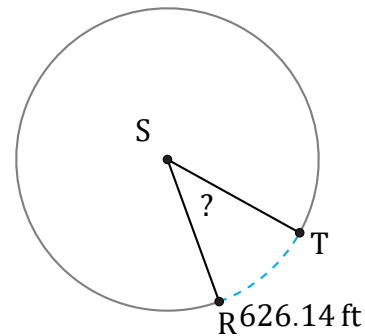
Radius = 60 mi

$$\angle DEF = \frac{122.52}{60 \times \pi \times 2} \times 360 = 117^\circ$$



Radius = 792 mm

$$\widehat{GJ} = \frac{80}{360} \times \pi \times 792 \times 2 = 1105.84 \text{ mm}$$



Radius = 875 ft

$$\angle RST = \frac{626.14}{875 \times \pi \times 2} \times 360 = 41^\circ$$