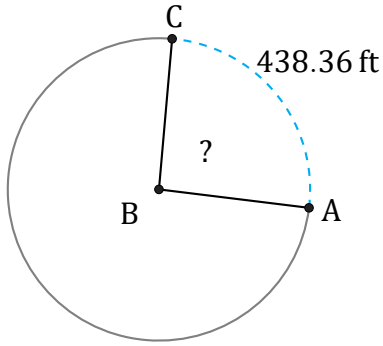


Arc Lengths and Angles (B)

Name: _____

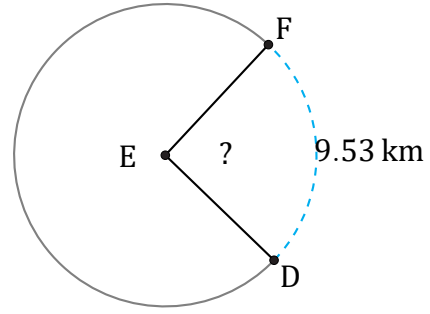
Date: _____

Calculate each arc length or angle measurement.



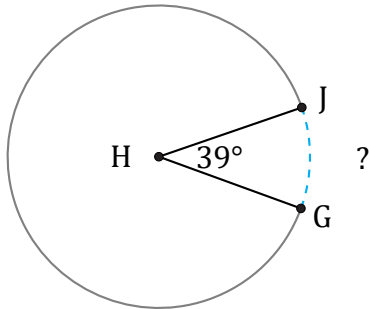
Diameter = 546 ft

$\angle ABC =$



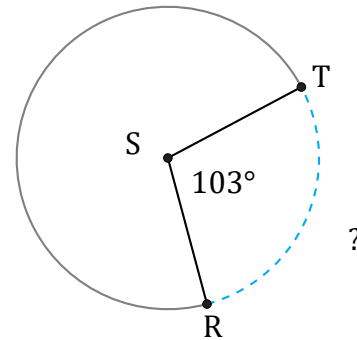
Diameter = 12 km

$\angle DEF =$



Diameter = 8 m

$\widehat{GJ} =$



Diameter = 34 ft

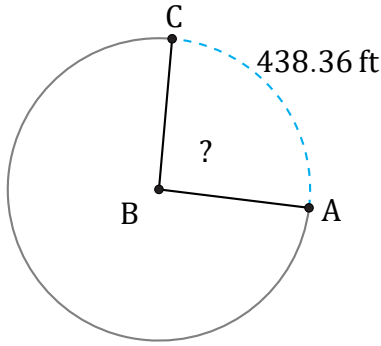
$\widehat{RT} =$

Arc Lengths and Angles (B) Answers

Name: _____

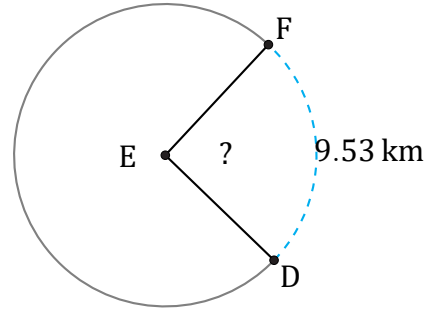
Date: _____

Calculate each arc length or angle measurement.



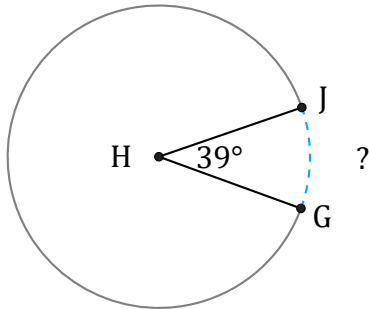
Diameter = 546 ft

$$\angle ABC = \frac{438.36}{546 \times \pi} \times 360 = 92^\circ$$



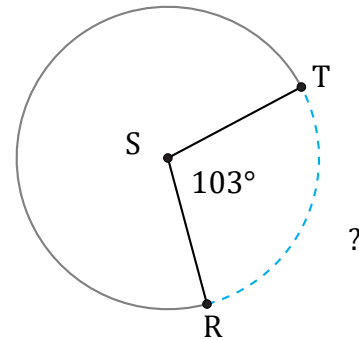
Diameter = 12 km

$$\angle DEF = \frac{9.53}{12 \times \pi} \times 360 = 91^\circ$$



Diameter = 8 m

$$\widehat{GJ} = \frac{39}{360} \times \pi \times 8 = 2.72 \text{ m}$$



Diameter = 34 ft

$$\widehat{RT} = \frac{103}{360} \times \pi \times 34 = 30.56 \text{ ft}$$