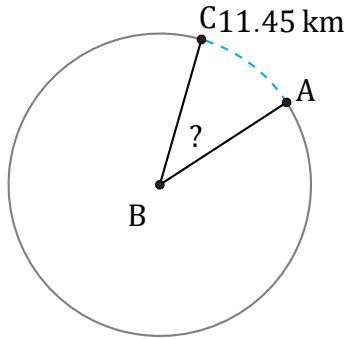


Arc Lengths and Angles (J)

Name: _____

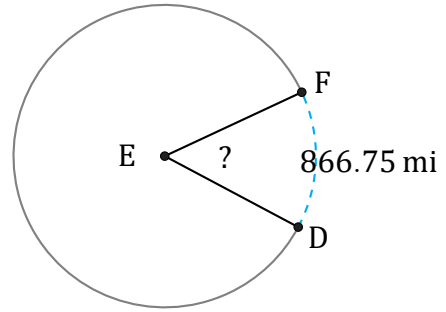
Date: _____

Calculate each arc length or angle measurement.



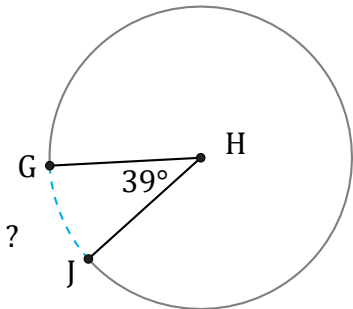
Circumference = 100.53 km

$\angle ABC =$



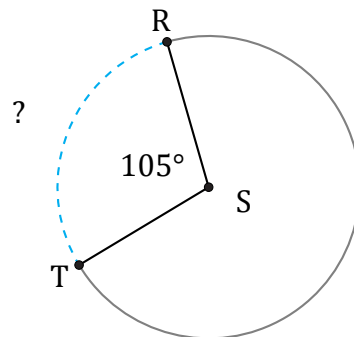
Circumference = 5887.34 mi

$\angle DEF =$



Circumference = 552.92 mi

$\widehat{GJ} =$



Circumference = 37.7 in

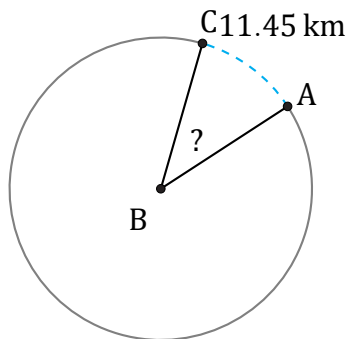
$\widehat{RT} =$

Arc Lengths and Angles (J) Answers

Name: _____

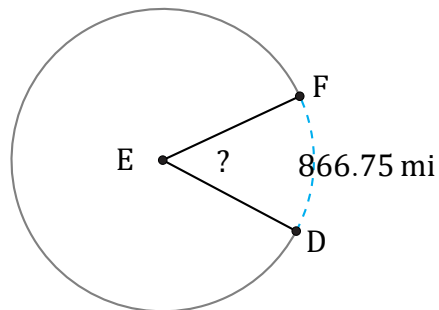
Date: _____

Calculate each arc length or angle measurement.



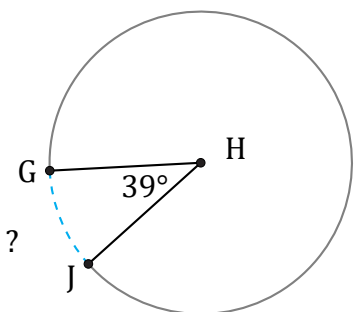
Circumference = 100.53 km

$$\angle ABC = \frac{11.45}{100.53} \times 360 = 41^\circ$$



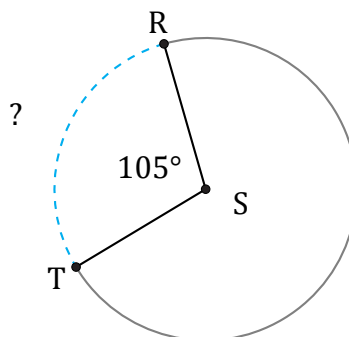
Circumference = 5887.34 mi

$$\angle DEF = \frac{866.75}{5887.34} \times 360 = 53^\circ$$



Circumference = 552.92 mi

$$\widehat{GJ} = \frac{39}{360} \times 552.92 = 59.9 \text{ mi}$$



Circumference = 37.7 in

$$\widehat{RT} = \frac{105}{360} \times 37.7 = 11 \text{ in}$$