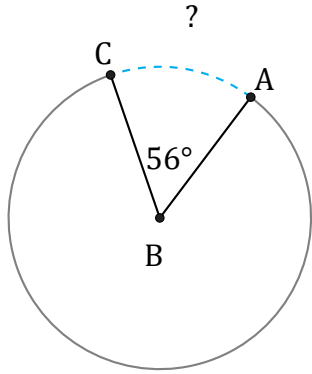


Arc Length (J)

Name: _____

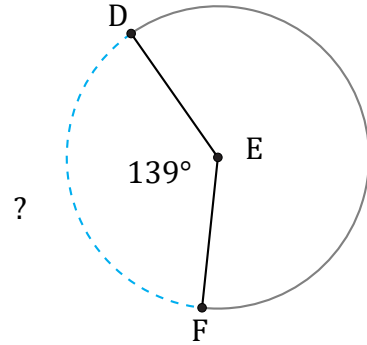
Date: _____

Calculate each arc length.



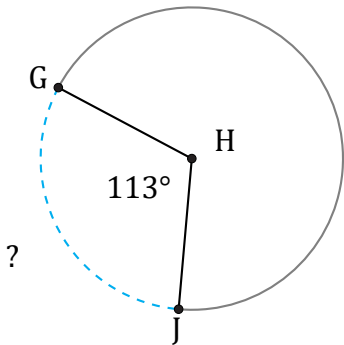
Circumference = 4360.53 mi

$\widehat{AC} =$



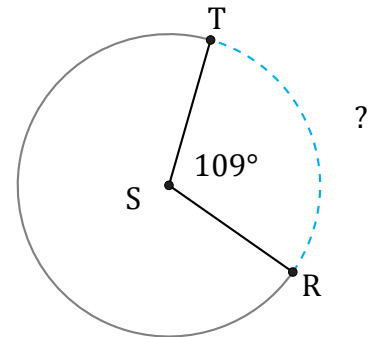
Circumference = 4272.57 km

$\widehat{DF} =$



Circumference = 929.91 mm

$\widehat{GJ} =$



Circumference = 251.33 in

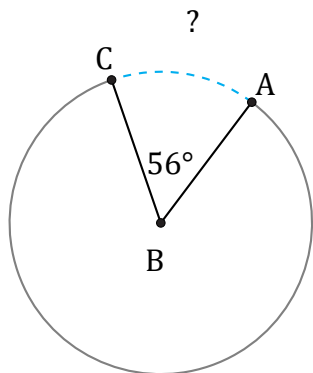
$\widehat{RT} =$

Arc Length (J) Answers

Name: _____

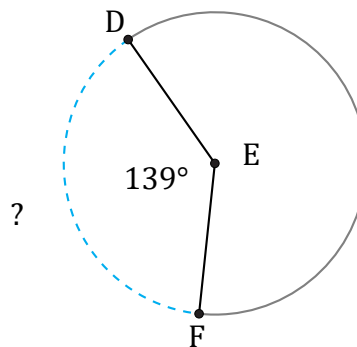
Date: _____

Calculate each arc length.



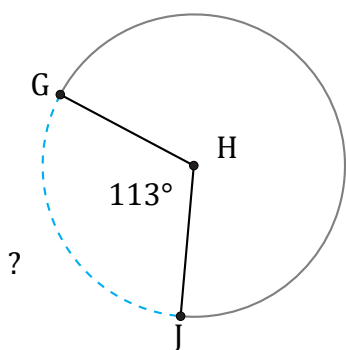
Circumference = 4360.53 mi

$$\widehat{AC} = \frac{56}{360} \times 4360.53 = 678.3 \text{ mi}$$



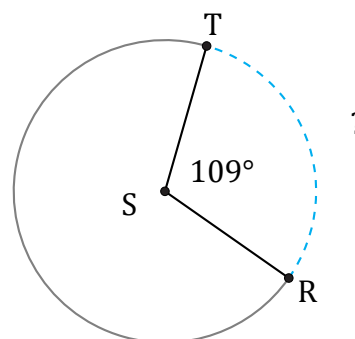
Circumference = 4272.57 km

$$\widehat{DF} = \frac{139}{360} \times 4272.57 = 1649.69 \text{ km}$$



Circumference = 929.91 mm

$$\widehat{GJ} = \frac{113}{360} \times 929.91 = 291.89 \text{ mm}$$



Circumference = 251.33 in

$$\widehat{RT} = \frac{109}{360} \times 251.33 = 76.1 \text{ in}$$