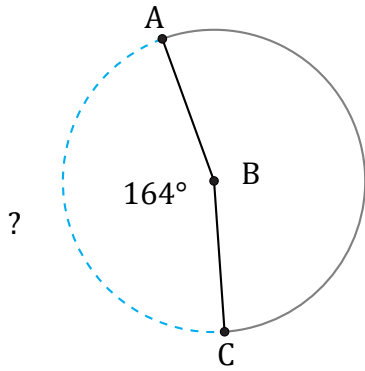


Arc Length (A)

Name: _____

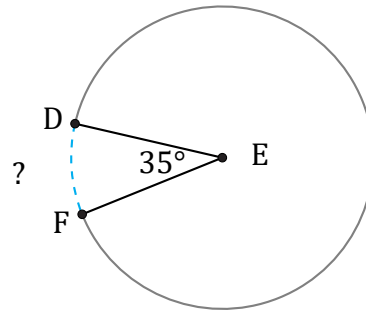
Date: _____

Calculate each arc length.



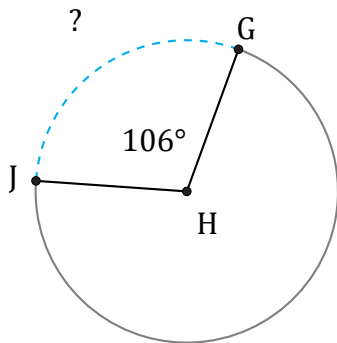
Diameter = 4 ft

$\widehat{AC} =$



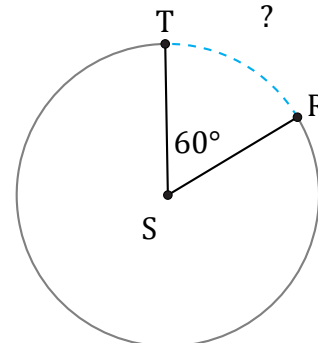
Circumference = 295.31 ft

$\widehat{DF} =$



Circumference = 515.22 mi

$\widehat{GJ} =$



Radius = 6 mm

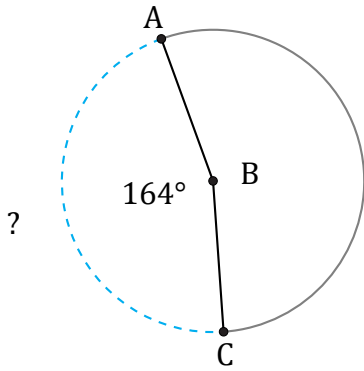
$\widehat{RT} =$

Arc Length (A) Answers

Name: _____

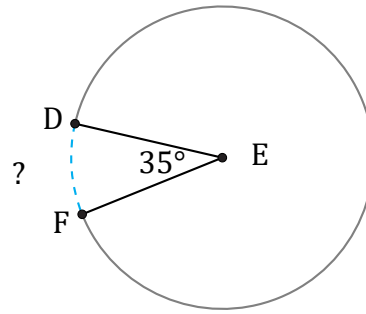
Date: _____

Calculate each arc length.



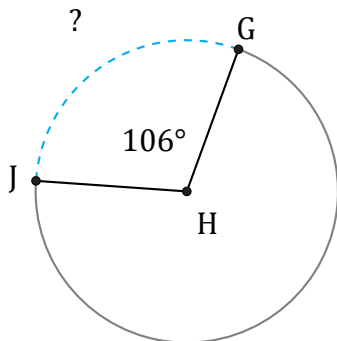
Diameter = 4 ft

$$\widehat{AC} = \frac{164}{360} \times \pi \times 4 = 5.72 \text{ ft}$$



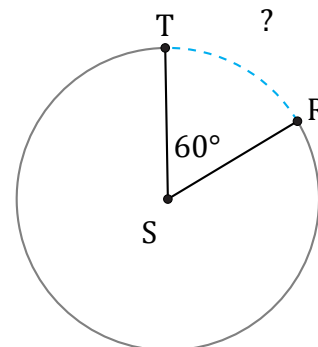
Circumference = 295.31 ft

$$\widehat{DF} = \frac{35}{360} \times 295.31 = 28.71 \text{ ft}$$



Circumference = 515.22 mi

$$\widehat{GJ} = \frac{106}{360} \times 515.22 = 151.7 \text{ mi}$$



Radius = 6 mm

$$\widehat{RT} = \frac{60}{360} \times \pi \times 6 \times 2 = 6.28 \text{ mm}$$