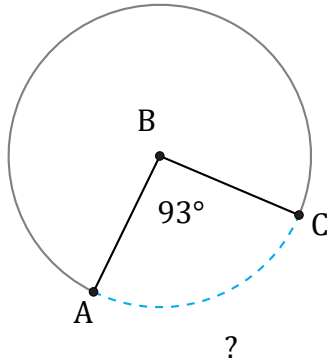


Arc Length (B)

Name: _____

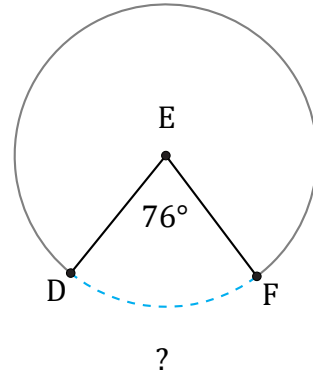
Date: _____

Calculate each arc length.



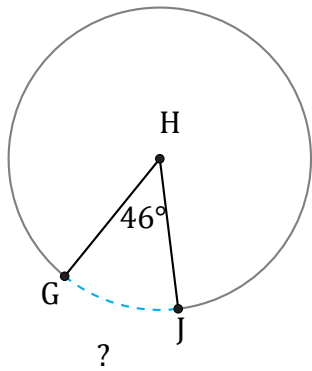
Radius = 7 mm

$\widehat{AC} =$



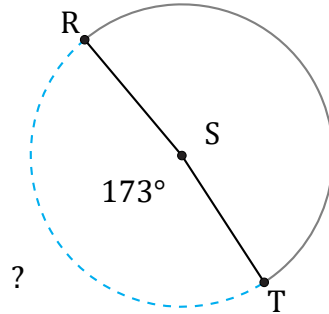
Radius = 64 km

$\widehat{DF} =$



Diameter = 1452 m

$\widehat{GJ} =$



Diameter = 98 km

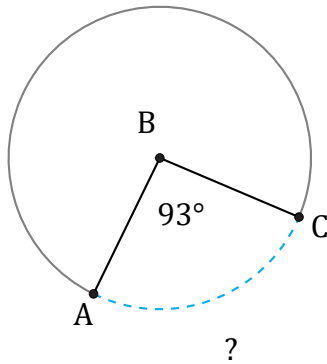
$\widehat{RT} =$

Arc Length (B) Answers

Name: _____

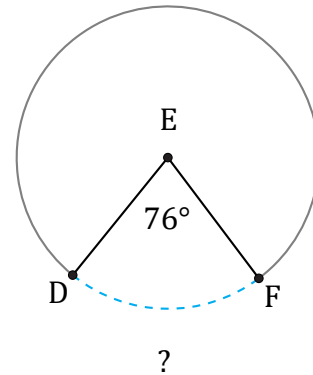
Date: _____

Calculate each arc length.



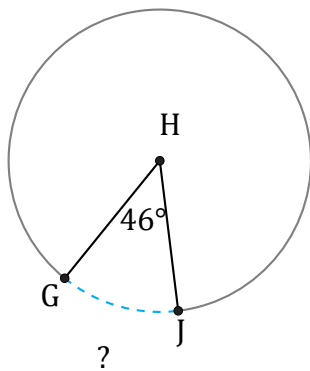
Radius = 7 mm

$$\widehat{AC} = \frac{93}{360} \times \pi \times 7 \times 2 = 11.36 \text{ mm}$$



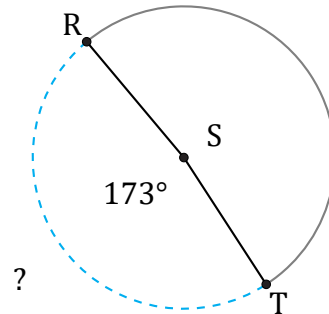
Radius = 64 km

$$\widehat{DF} = \frac{76}{360} \times \pi \times 64 \times 2 = 84.89 \text{ km}$$



Diameter = 1452 m

$$\widehat{GJ} = \frac{46}{360} \times \pi \times 1452 = 582.87 \text{ m}$$



Diameter = 98 km

$$\widehat{RT} = \frac{173}{360} \times \pi \times 98 = 147.95 \text{ km}$$