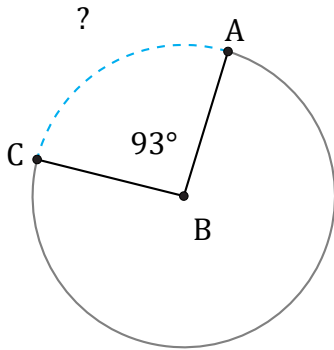


Arc Length (H)

Name: _____

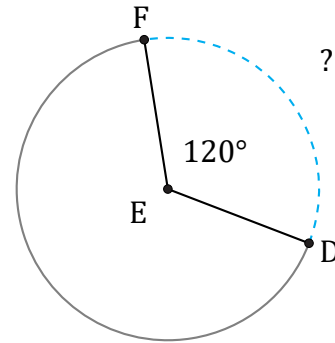
Date: _____

Calculate each arc length.



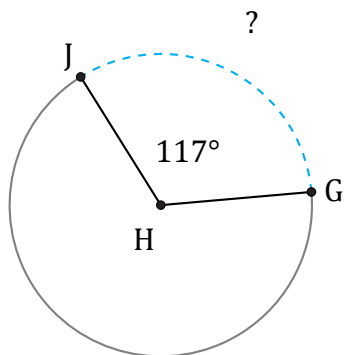
Diameter = 798 km

$\widehat{AC} =$



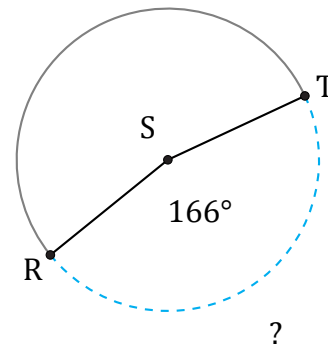
Diameter = 16 m

$\widehat{DF} =$



Diameter = 12 AU

$\widehat{GJ} =$



Diameter = 452 AU

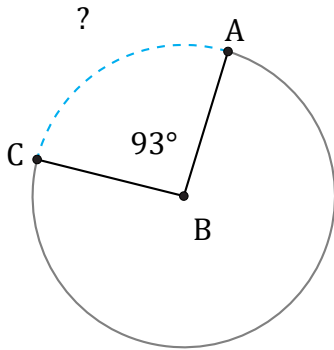
$\widehat{RT} =$

Arc Length (H) Answers

Name: _____

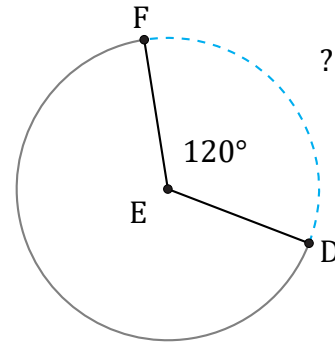
Date: _____

Calculate each arc length.



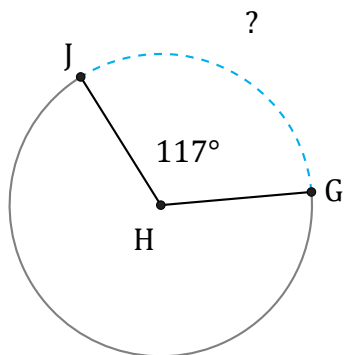
Diameter = 798 km

$$\widehat{AC} = \frac{93}{360} \times \pi \times 798 = 647.64 \text{ km}$$



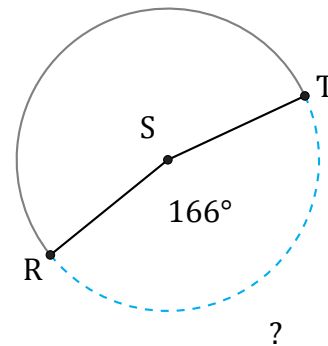
Diameter = 16 m

$$\widehat{DF} = \frac{120}{360} \times \pi \times 16 = 16.76 \text{ m}$$



Diameter = 12 AU

$$\widehat{GJ} = \frac{117}{360} \times \pi \times 12 = 12.25 \text{ AU}$$



Diameter = 452 AU

$$\widehat{RT} = \frac{166}{360} \times \pi \times 452 = 654.78 \text{ AU}$$