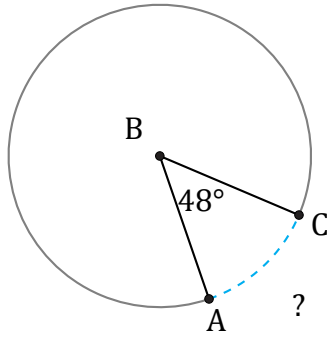


Arc Length (E)

Name: _____

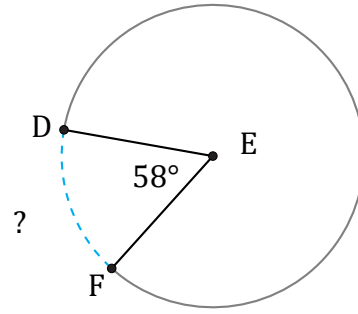
Date: _____

Calculate each arc length.



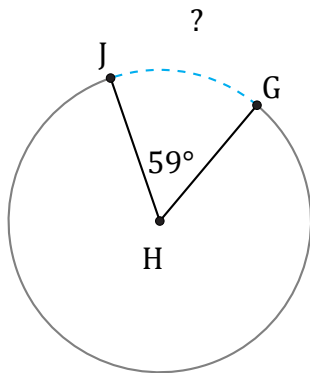
Diameter = 18 cm

$\widehat{AC} =$



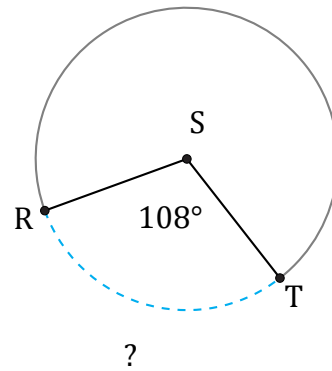
Circumference = 226.19 AU

$\widehat{DF} =$



Radius = 8 mm

$\widehat{GJ} =$



Circumference = 4555.31 m

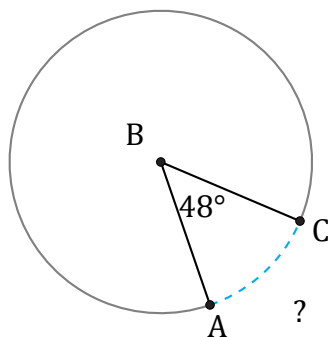
$\widehat{RT} =$

Arc Length (E) Answers

Name: _____

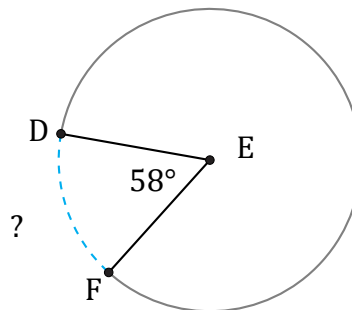
Date: _____

Calculate each arc length.



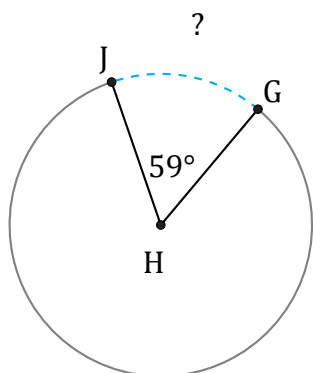
Diameter = 18 cm

$$\widehat{AC} = \frac{48}{360} \times \pi \times 18 = 7.54 \text{ cm}$$



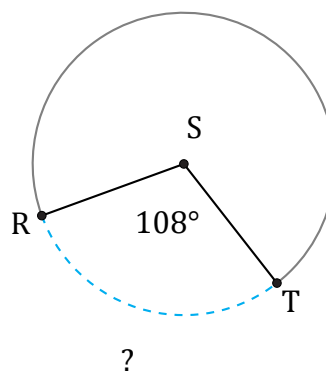
Circumference = 226.19 AU

$$\widehat{DF} = \frac{58}{360} \times 226.19 = 36.44 \text{ AU}$$



Radius = 8 mm

$$\widehat{GJ} = \frac{59}{360} \times \pi \times 8 \times 2 = 8.24 \text{ mm}$$



Circumference = 4555.31 m

$$\widehat{RT} = \frac{108}{360} \times 4555.31 = 1366.59 \text{ m}$$