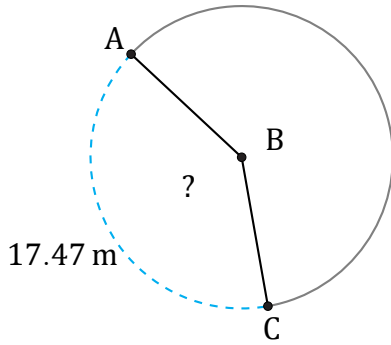


# Arc Lengths and Angles (G)

Name: \_\_\_\_\_

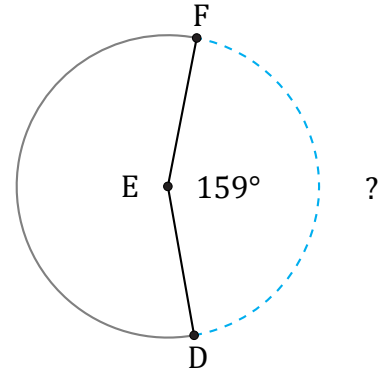
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



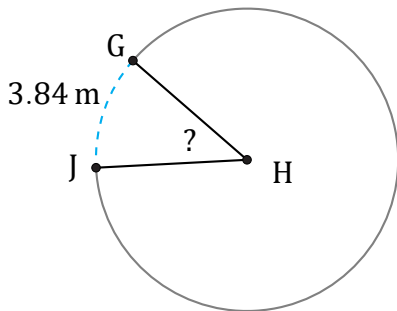
Diameter = 14 m

$\angle ABC =$



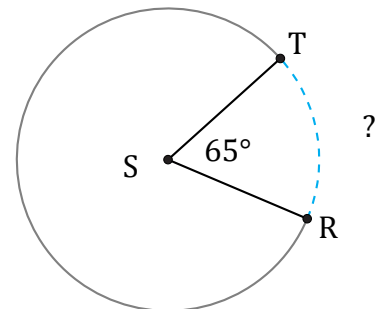
Diameter = 182 cm

$\widehat{DF} =$



Diameter = 10 m

$\angle GHJ =$



Diameter = 12 km

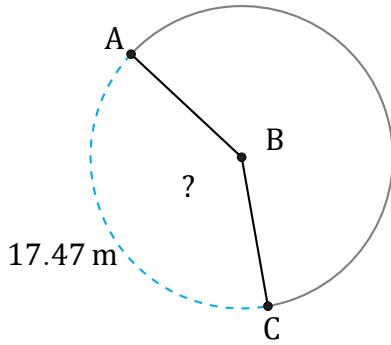
$\widehat{RT} =$

# Arc Lengths and Angles (G) Answers

Name: \_\_\_\_\_

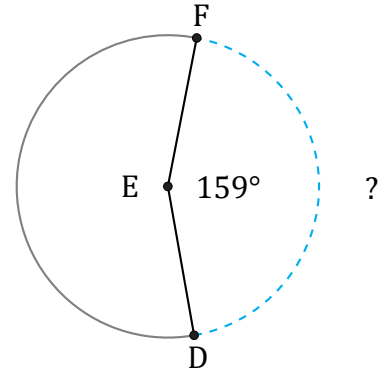
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



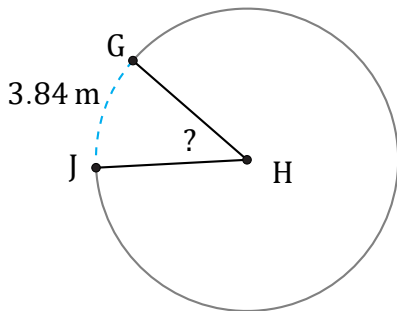
Diameter = 14 m

$$\angle ABC = \frac{17.47}{14 \times \pi} \times 360 = 143^\circ$$



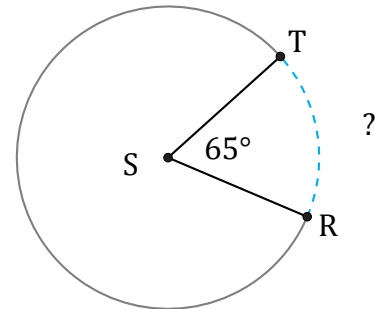
Diameter = 182 cm

$$\widehat{DF} = \frac{159}{360} \times \pi \times 182 = 252.53 \text{ cm}$$



Diameter = 10 m

$$\angle GHJ = \frac{3.84}{10 \times \pi} \times 360 = 44^\circ$$



Diameter = 12 km

$$\widehat{RT} = \frac{65}{360} \times \pi \times 12 = 6.81 \text{ km}$$