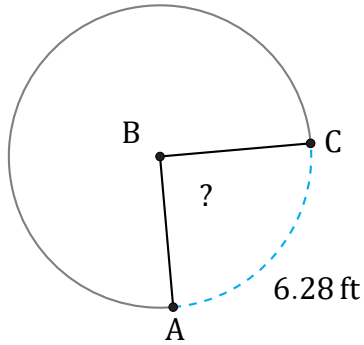


Arc Lengths and Angles (E)

Name: _____

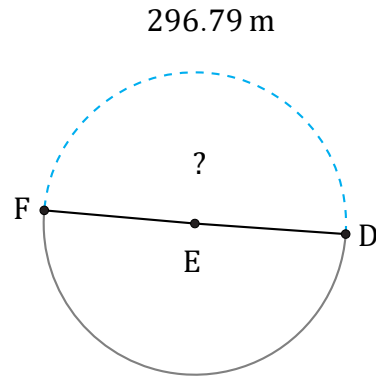
Date: _____

Calculate each arc length or angle measurement.



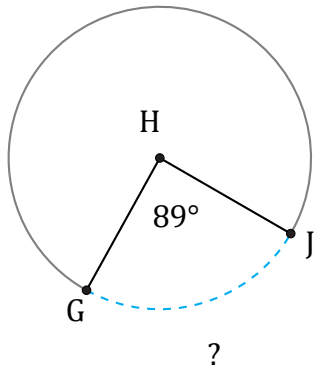
Diameter = 8 ft

$\angle ABC =$



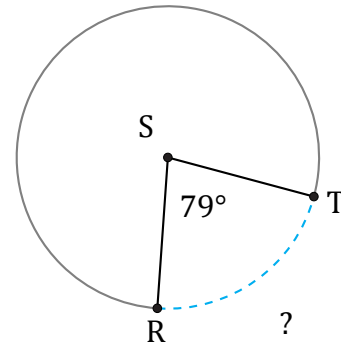
Radius = 95 m

$\angle DEF =$



Radius = 96 mm

$\widehat{GJ} =$



Diameter = 1388 in

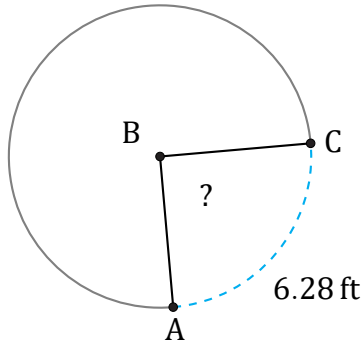
$\widehat{RT} =$

Arc Lengths and Angles (E) Answers

Name: _____

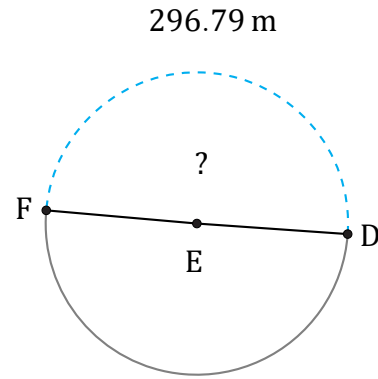
Date: _____

Calculate each arc length or angle measurement.



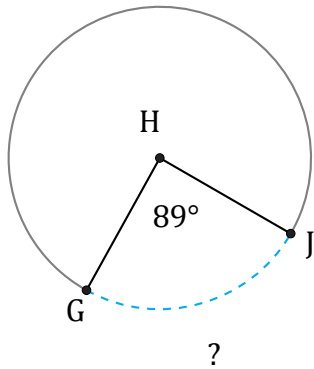
Diameter = 8 ft

$$\angle ABC = \frac{6.28}{8 \times \pi} \times 360 = 90^\circ$$



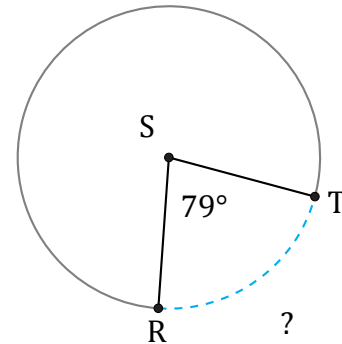
Radius = 95 m

$$\angle DEF = \frac{296.79}{95 \times \pi \times 2} \times 360 = 179^\circ$$



Radius = 96 mm

$$\widehat{GJ} = \frac{89}{360} \times \pi \times 96 \times 2 = 149.12 \text{ mm}$$



Diameter = 1388 in

$$\widehat{RT} = \frac{79}{360} \times \pi \times 1388 = 956.89 \text{ in}$$