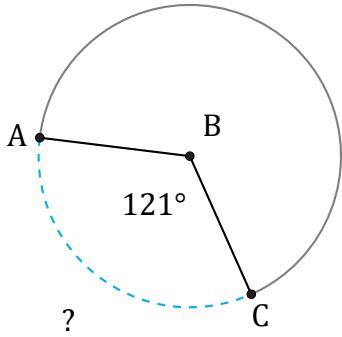


# Arc Lengths and Angles (A)

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

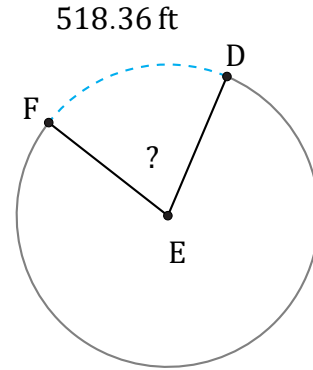
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



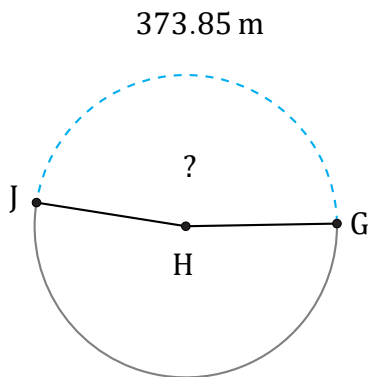
Radius = 33 ft

$\widehat{AC} =$



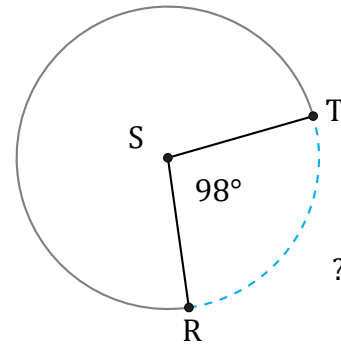
Radius = 396 ft

$\angle DEF =$



Radius = 126 m

$\angle GHJ =$



Radius = 65 cm

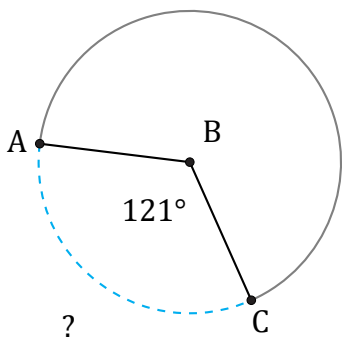
$\widehat{RT} =$

# Arc Lengths and Angles (A) Answers

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

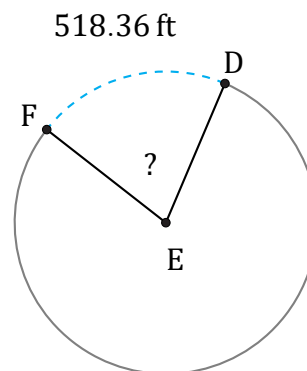
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



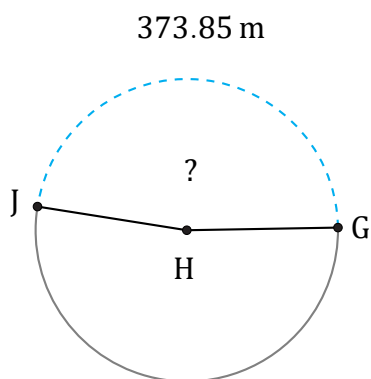
Radius = 33 ft

$$\widehat{AC} = \frac{121}{360} \times \pi \times 33 \times 2 = 69.69 \text{ ft}$$



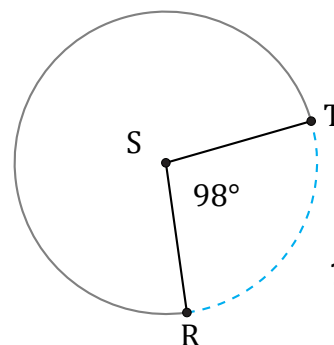
Radius = 396 ft

$$\angle DEF = \frac{518.36}{396 \times \pi \times 2} \times 360 = 75^\circ$$



Radius = 126 m

$$\angle GHJ = \frac{373.85}{126 \times \pi \times 2} \times 360 = 170^\circ$$



Radius = 65 cm

$$\widehat{RT} = \frac{98}{360} \times \pi \times 65 \times 2 = 111.18 \text{ cm}$$