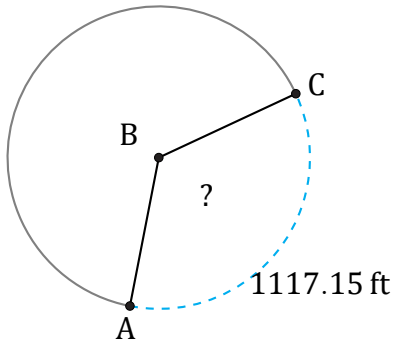


Arc Lengths and Angles (F)

Name: _____

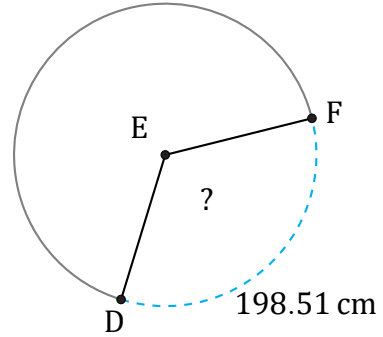
Date: _____

Calculate each arc length or angle measurement.



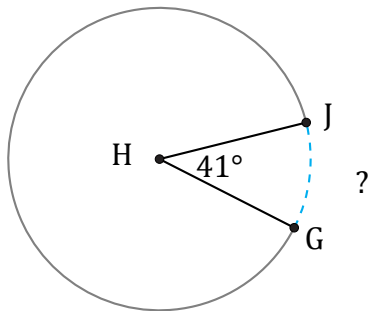
Diameter = 1016 ft

$\angle ABC =$



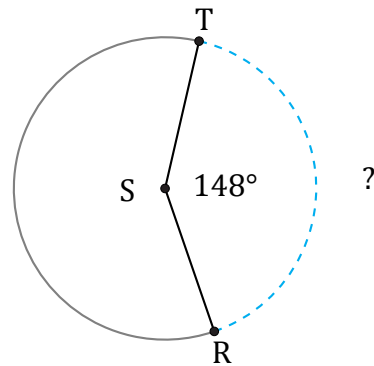
Diameter = 188 cm

$\angle DEF =$



Diameter = 270 km

$\widehat{GJ} =$



Diameter = 8 ft

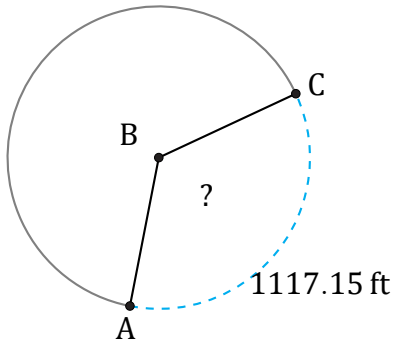
$\widehat{RT} =$

Arc Lengths and Angles (F) Answers

Name: _____

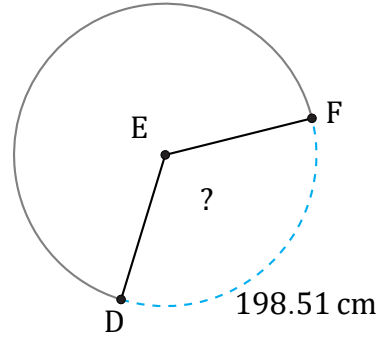
Date: _____

Calculate each arc length or angle measurement.



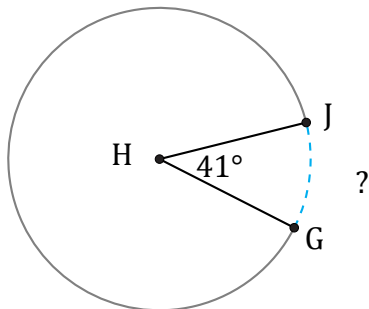
Diameter = 1016 ft

$$\angle ABC = \frac{1117.15}{1016 \times \pi} \times 360 = 126^\circ$$



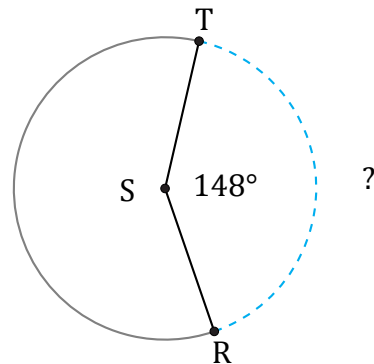
Diameter = 188 cm

$$\angle DEF = \frac{198.51}{188 \times \pi} \times 360 = 121^\circ$$



Diameter = 270 km

$$\widehat{GJ} = \frac{41}{360} \times \pi \times 270 = 96.6 \text{ km}$$



Diameter = 8 ft

$$\widehat{RT} = \frac{148}{360} \times \pi \times 8 = 10.33 \text{ ft}$$