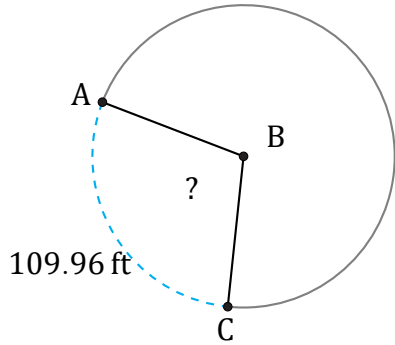


Arc Lengths and Angles (C)

Name: _____

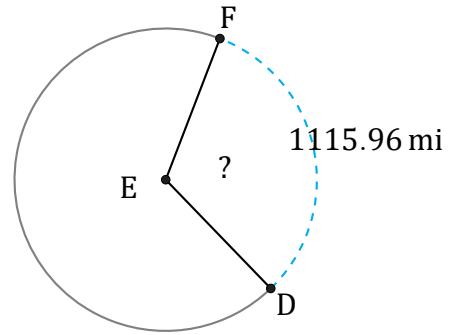
Date: _____

Calculate each arc length or angle measurement.



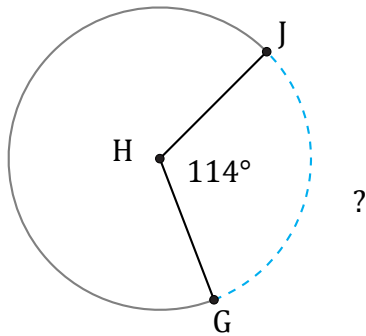
Radius = 60 ft

$\angle ABC =$



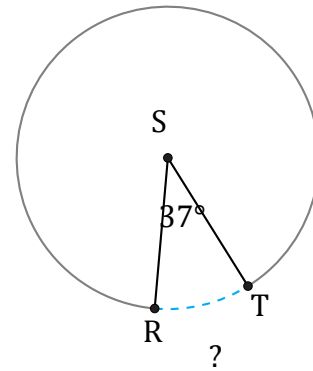
Radius = 556 mi

$\angle DEF =$



Radius = 52 cm

$\widehat{GJ} =$



Radius = 1 cm

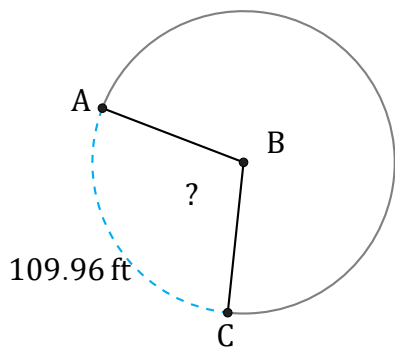
$\widehat{RT} =$

Arc Lengths and Angles (C) Answers

Name: _____

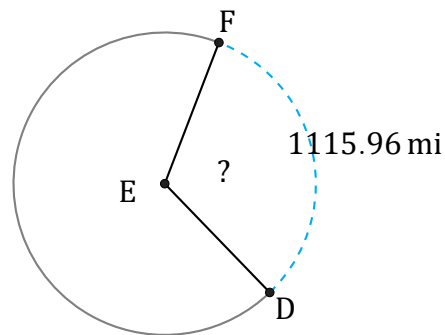
Date: _____

Calculate each arc length or angle measurement.



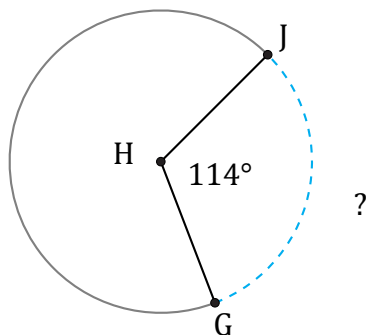
Radius = 60 ft

$$\angle ABC = \frac{109.96}{60 \times \pi \times 2} \times 360 = 105^\circ$$



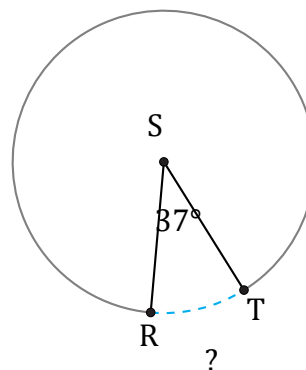
Radius = 556 mi

$$\angle DEF = \frac{1115.96}{556 \times \pi \times 2} \times 360 = 115^\circ$$



Radius = 52 cm

$$\widehat{GJ} = \frac{114}{360} \times \pi \times 52 \times 2 = 103.46 \text{ cm}$$



Radius = 1 cm

$$\widehat{RT} = \frac{37}{360} \times \pi \times 1 \times 2 = 0.65 \text{ cm}$$