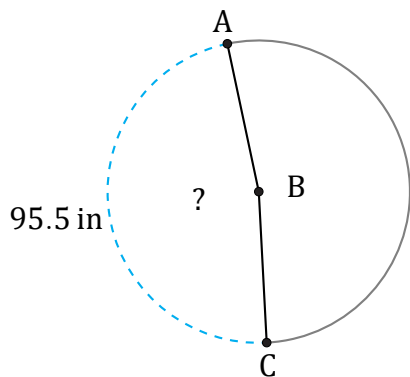


Arc Lengths and Angles (B)

Name: _____

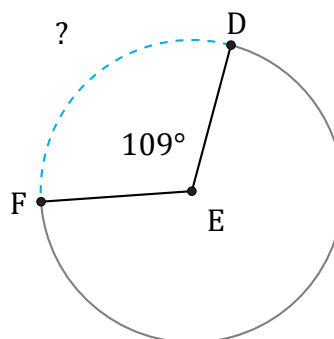
Date: _____

Calculate each arc length or angle measurement.



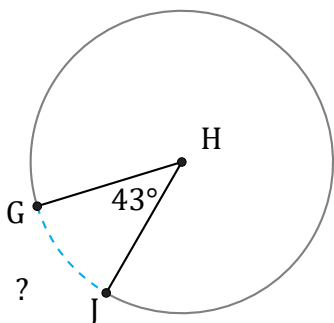
Diameter = 64 in

$\angle ABC =$



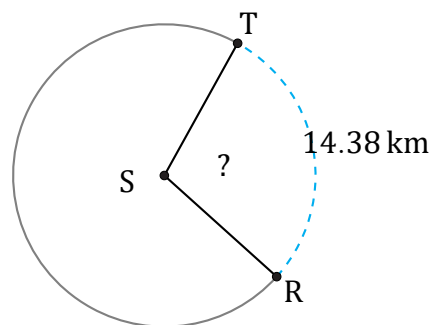
Radius = 394 cm

$\widehat{DF} =$



Diameter = 364 cm

$\widehat{GJ} =$



Radius = 8 km

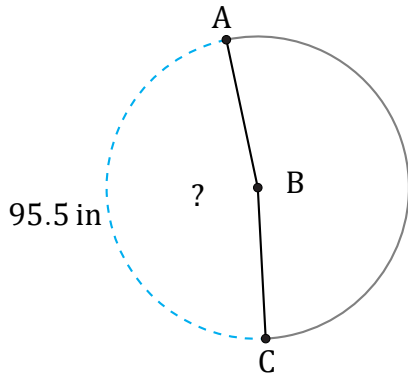
$\angle RST =$

Arc Lengths and Angles (B) Answers

Name: _____

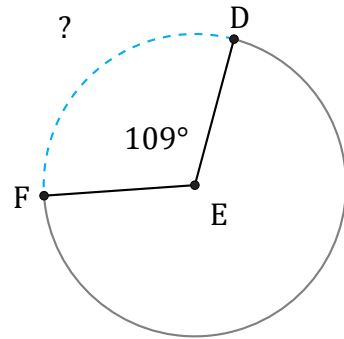
Date: _____

Calculate each arc length or angle measurement.



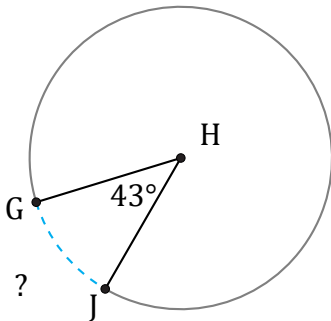
Diameter = 64 in

$$\angle ABC = \frac{95.5}{64 \times \pi} \times 360 = 171^\circ$$



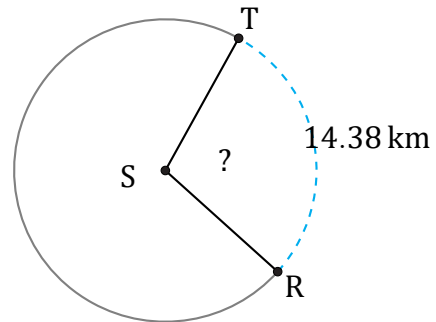
Radius = 394 cm

$$\widehat{DF} = \frac{109}{360} \times \pi \times 394 \times 2 = 749.55 \text{ cm}$$



Diameter = 364 cm

$$\widehat{GJ} = \frac{43}{360} \times \pi \times 364 = 136.59 \text{ cm}$$



Radius = 8 km

$$\angle RST = \frac{14.38}{8 \times \pi \times 2} \times 360 = 103^\circ$$