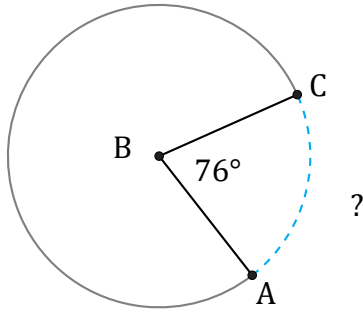


# Arc Lengths and Angles (D)

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

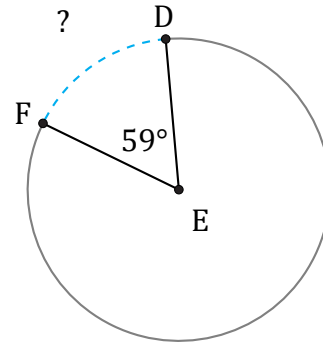
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



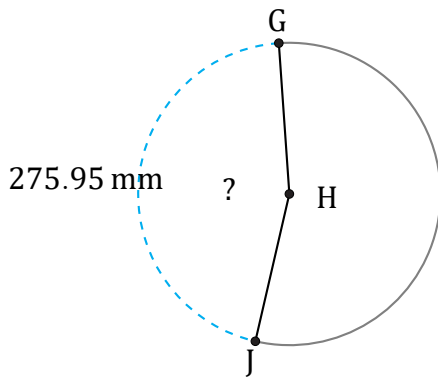
Circumference = 25.13 mm

$\widehat{AC} =$



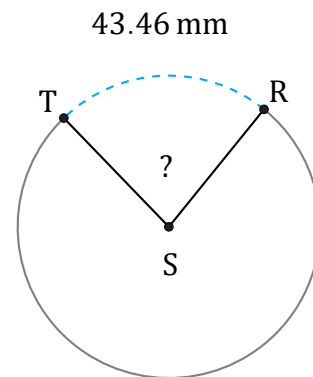
Radius = 8 ft

$\widehat{DF} =$



Diameter = 194 mm

$\angle GHJ =$



Circumference = 188.5 mm

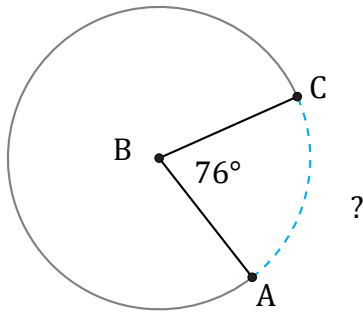
$\angle RST =$

# Arc Lengths and Angles (D) Answers

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

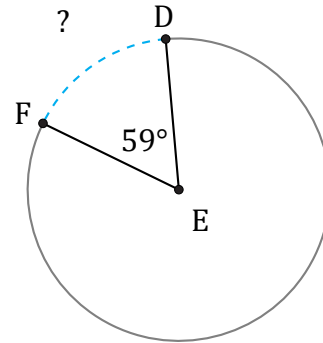
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



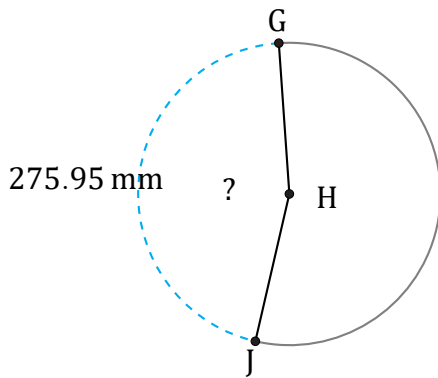
Circumference = 25.13 mm

$$\widehat{AC} = \frac{76}{360} \times 25.13 = 5.31 \text{ mm}$$



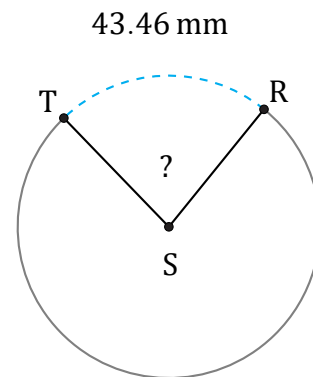
Radius = 8 ft

$$\widehat{DF} = \frac{59}{360} \times \pi \times 8 \times 2 = 8.24 \text{ ft}$$



Diameter = 194 mm

$$\angle GHJ = \frac{275.95}{194 \times \pi} \times 360 = 163^\circ$$



Circumference = 188.5 mm

$$\angle RST = \frac{43.46}{188.5} \times 360 = 83^\circ$$