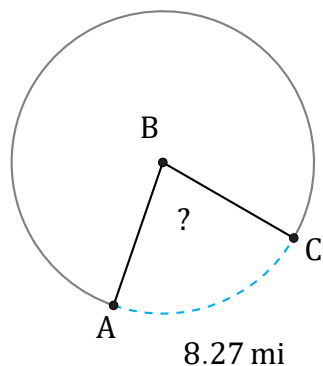


Arc Lengths and Angles (H)

Name: _____

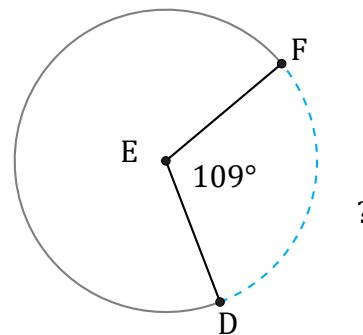
Date: _____

Calculate each arc length or angle measurement.



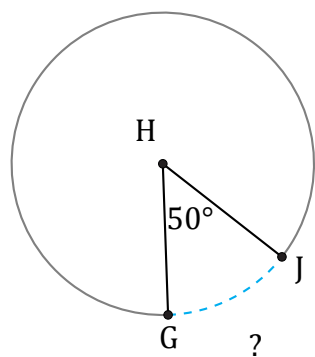
Circumference = 37.7 mi

$\angle ABC =$



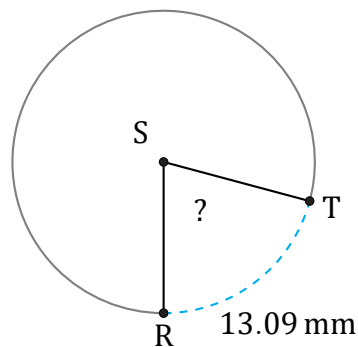
Radius = 3 m

$\widehat{DF} =$



Diameter = 24 m

$\widehat{GJ} =$



Diameter = 20 mm

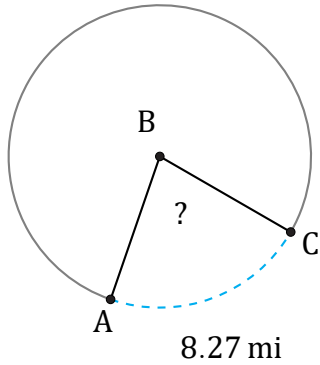
$\angle RST =$

Arc Lengths and Angles (H) Answers

Name: _____

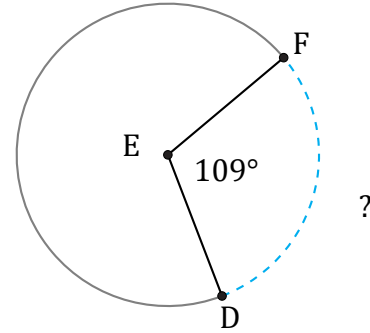
Date: _____

Calculate each arc length or angle measurement.



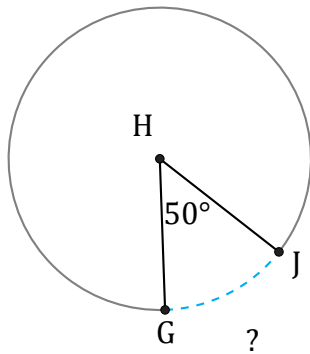
Circumference = 37.7 mi

$$\angle ABC = \frac{8.27}{37.7} \times 360 = 79^\circ$$



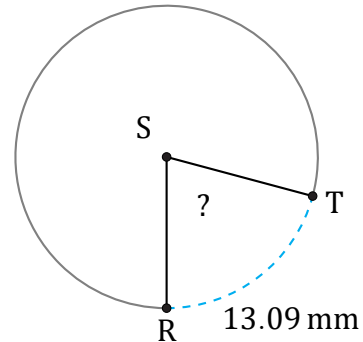
Radius = 3 m

$$\widehat{DF} = \frac{109}{360} \times \pi \times 3 \times 2 = 5.71 \text{ m}$$



Diameter = 24 m

$$\widehat{GJ} = \frac{50}{360} \times \pi \times 24 = 10.47 \text{ m}$$



Diameter = 20 mm

$$\angle RST = \frac{13.09}{20 \times \pi} \times 360 = 75^\circ$$