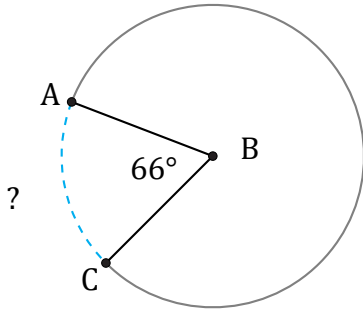


Arc Lengths and Angles (C)

Name: _____

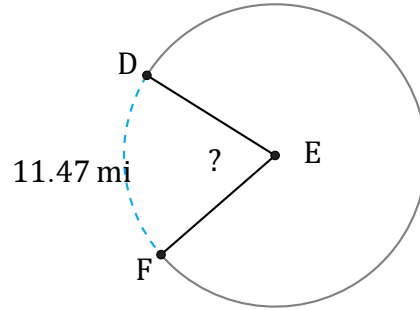
Date: _____

Calculate each arc length or angle measurement.



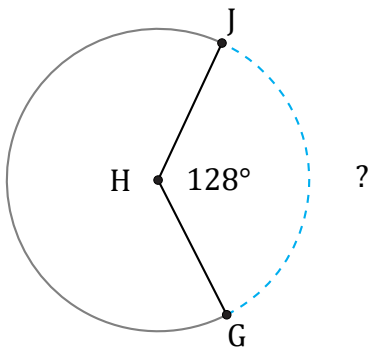
Circumference = 2305.93 in

$\widehat{AC} =$



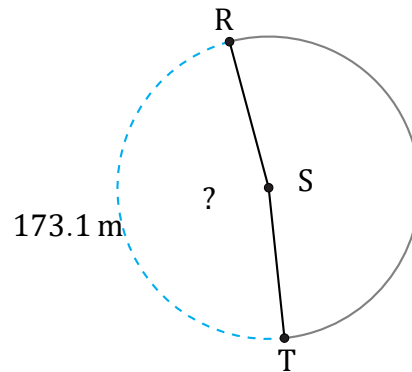
Circumference = 56.55 mi

$\angle DEF =$



Circumference = 37.7 m

$\widehat{GJ} =$



Circumference = 364.42 m

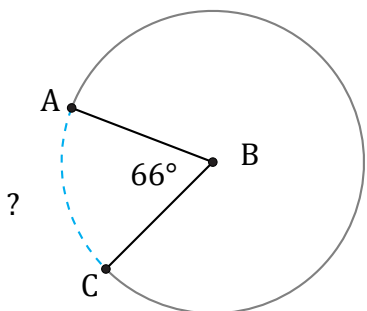
$\angle RST =$

Arc Lengths and Angles (C) Answers

Name: _____

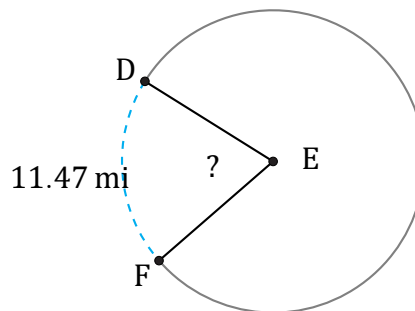
Date: _____

Calculate each arc length or angle measurement.



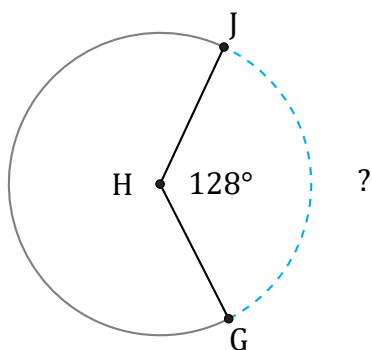
Circumference = 2305.93 in

$$\widehat{AC} = \frac{66}{360} \times 2305.93 = 422.75 \text{ in}$$



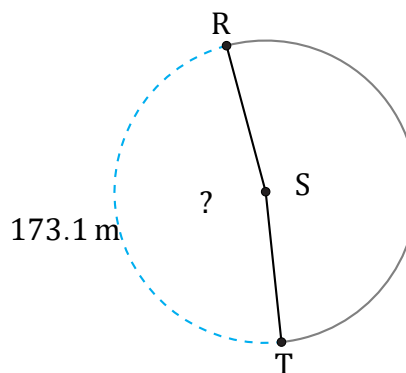
Circumference = 56.55 mi

$$\angle DEF = \frac{11.47}{56.55} \times 360 = 73^\circ$$



Circumference = 37.7 m

$$\widehat{GJ} = \frac{128}{360} \times 37.7 = 13.4 \text{ m}$$



Circumference = 364.42 m

$$\angle RST = \frac{173.1}{364.42} \times 360 = 171^\circ$$