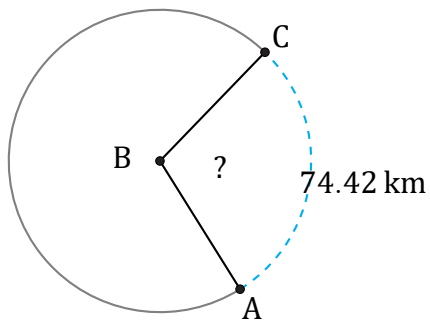


# Arc Angles (A)

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

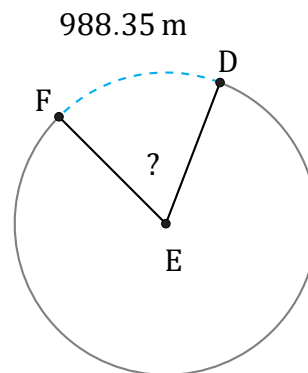
Date: \_\_\_\_\_

Calculate each arc angle measurement.



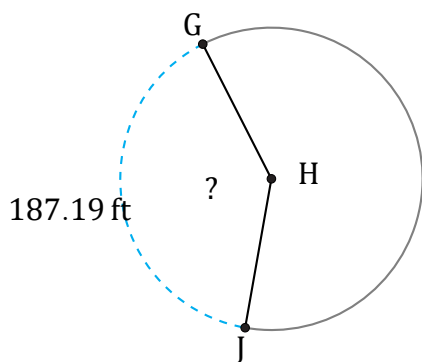
Diameter = 82 km

$\angle ABC =$



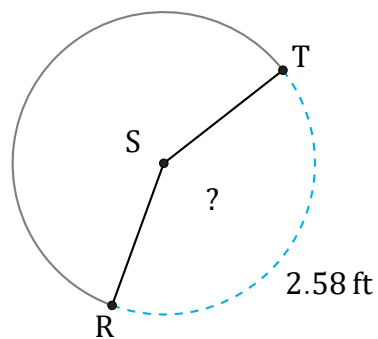
Diameter = 1716 m

$\angle DEF =$



Diameter = 150 ft

$\angle GHJ =$



Diameter = 2 ft

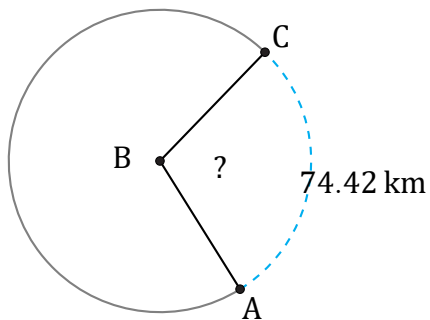
$\angle RST =$

# Arc Angles (A) Answers

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

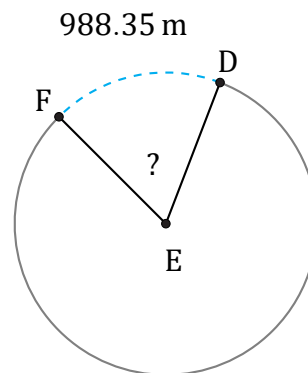
Date: \_\_\_\_\_

Calculate each arc angle measurement.



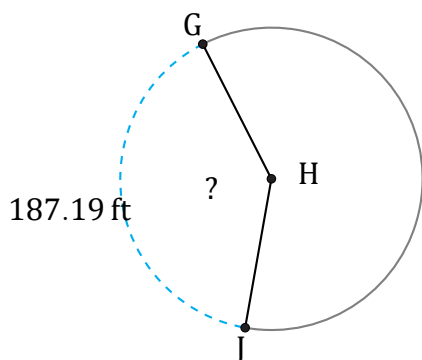
Diameter = 82 km

$$\angle ABC = \frac{74.42}{82 \times \pi} \times 360 = 104^\circ$$



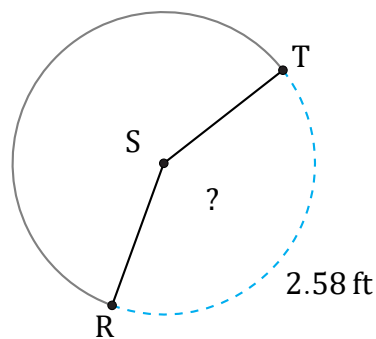
Diameter = 1716 m

$$\angle DEF = \frac{988.35}{1716 \times \pi} \times 360 = 66^\circ$$



Diameter = 150 ft

$$\angle GHJ = \frac{187.19}{150 \times \pi} \times 360 = 143^\circ$$



Diameter = 2 ft

$$\angle RST = \frac{2.58}{2 \times \pi} \times 360 = 147.8^\circ$$