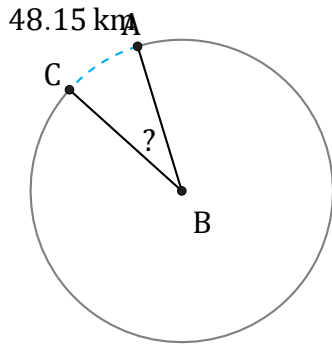


# Arc Angles (D)

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

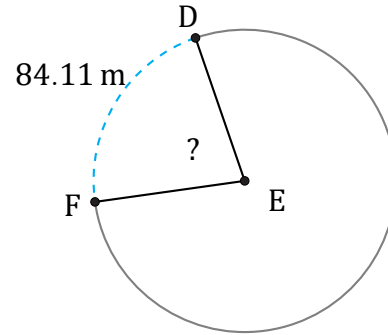
Date: \_\_\_\_\_

Calculate each arc angle measurement.



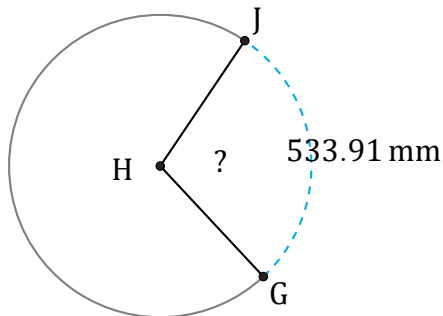
Radius = 89 km

$\angle ABC =$



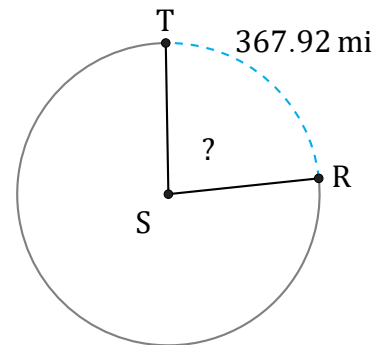
Diameter = 122 m

$\angle DEF =$



Diameter = 594 mm

$\angle GHJ =$



Radius = 248 mi

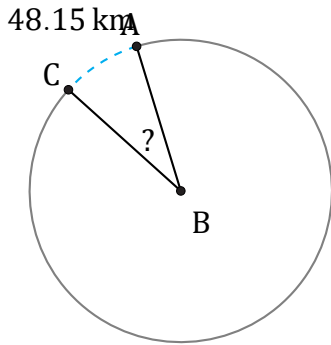
$\angle RST =$

# Arc Angles (D) Answers

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

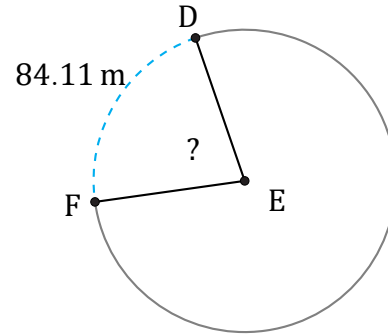
Date: \_\_\_\_\_

Calculate each arc angle measurement.



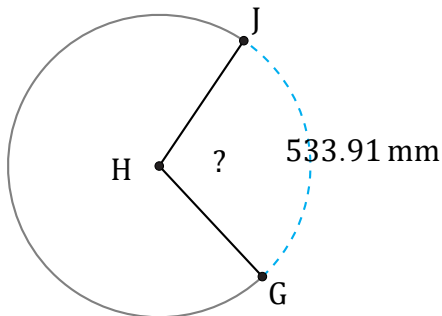
Radius = 89 km

$$\angle ABC = \frac{48.15}{89 \times \pi \times 2} \times 360 = 31^\circ$$



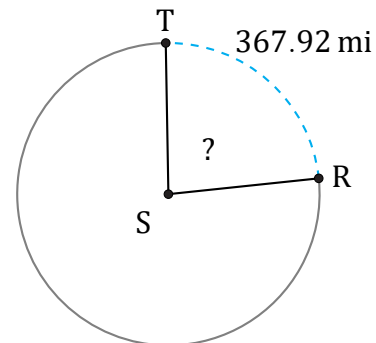
Diameter = 122 m

$$\angle DEF = \frac{84.11}{122 \times \pi} \times 360 = 79^\circ$$



Diameter = 594 mm

$$\angle GHJ = \frac{533.91}{594 \times \pi} \times 360 = 103^\circ$$



Radius = 248 mi

$$\angle RST = \frac{367.92}{248 \times \pi \times 2} \times 360 = 85^\circ$$