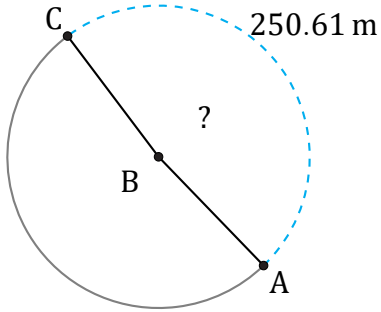


# Arc Lengths and Angles (G)

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

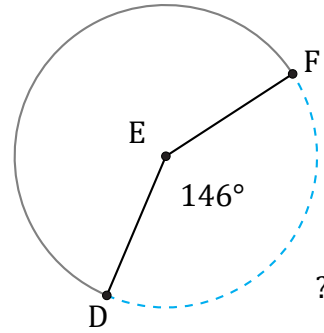
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



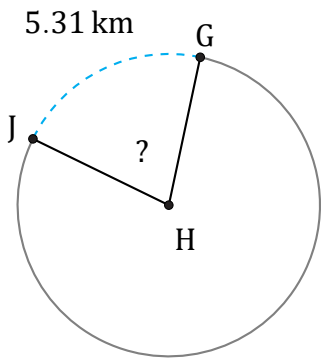
Diameter = 166 m

$\angle ABC =$



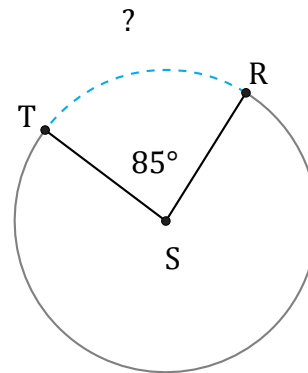
Diameter = 64 in

$\widehat{DF} =$



Radius = 4 km

$\angle GHJ =$



Radius = 6 mm

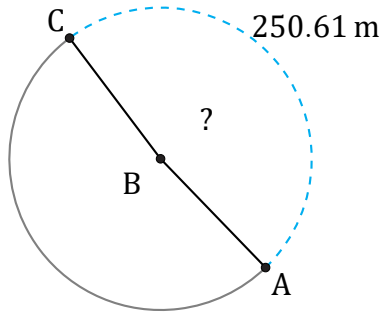
$\widehat{RT} =$

# Arc Lengths and Angles (G) Answers

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

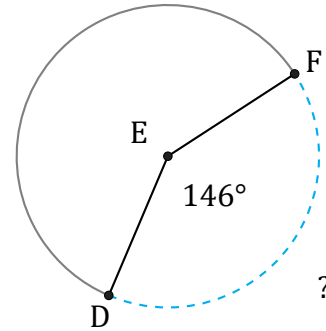
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



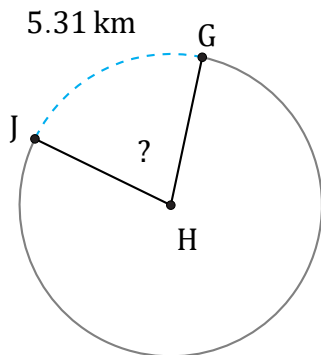
Diameter = 166 m

$$\angle ABC = \frac{250.61}{166 \times \pi} \times 360 = 173^\circ$$



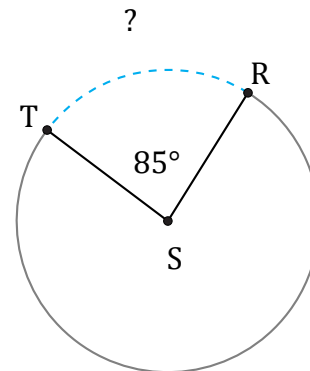
Diameter = 64 in

$$\widehat{DF} = \frac{146}{360} \times \pi \times 64 = 81.54 \text{ in}$$



Radius = 4 km

$$\angle GHJ = \frac{5.31}{4 \times \pi \times 2} \times 360 = 76.1^\circ$$



Radius = 6 mm

$$\widehat{RT} = \frac{85}{360} \times \pi \times 6 \times 2 = 8.9 \text{ mm}$$