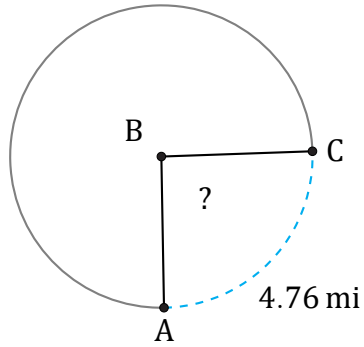


Arc Angles (E)

Name: _____

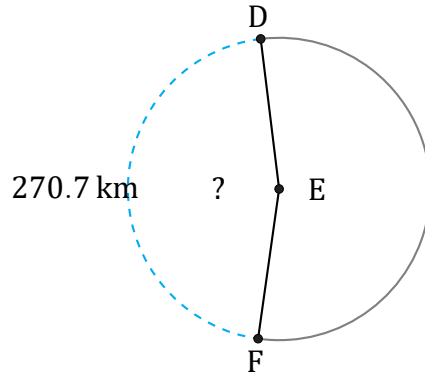
Date: _____

Calculate each arc angle measurement.



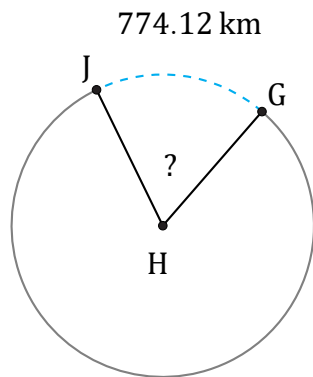
Radius = 3 mi

$\angle ABC =$



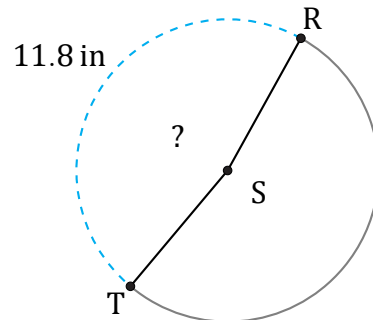
Radius = 94 km

$\angle DEF =$



Diameter = 1324 km

$\angle GHJ =$



Diameter = 8 in

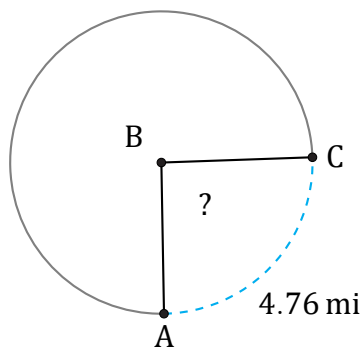
$\angle RST =$

Arc Angles (E) Answers

Name: _____

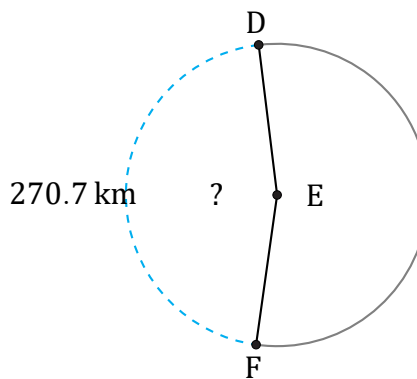
Date: _____

Calculate each arc angle measurement.



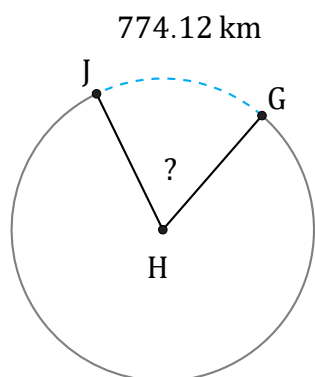
Radius = 3 mi

$$\angle ABC = \frac{4.76}{3 \times \pi \times 2} \times 360 = 90.9^\circ$$



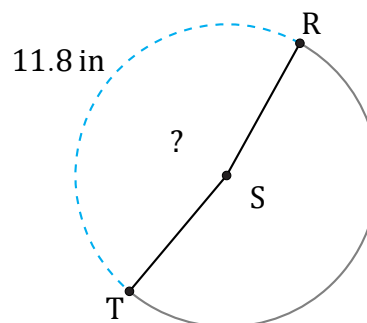
Radius = 94 km

$$\angle DEF = \frac{270.7}{94 \times \pi \times 2} \times 360 = 165^\circ$$



Diameter = 1324 km

$$\angle GHJ = \frac{774.12}{1324 \times \pi} \times 360 = 67^\circ$$



Diameter = 8 in

$$\angle RST = \frac{11.8}{8 \times \pi} \times 360 = 169^\circ$$