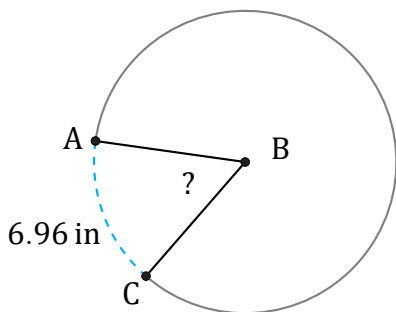


Arc Angles (I)

Name: _____

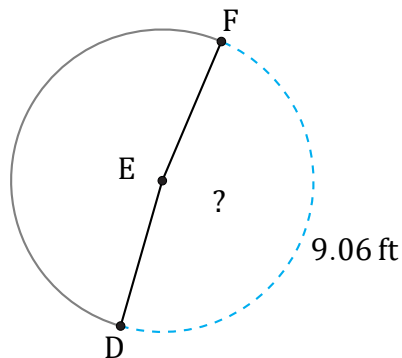
Date: _____

Calculate each arc angle measurement.



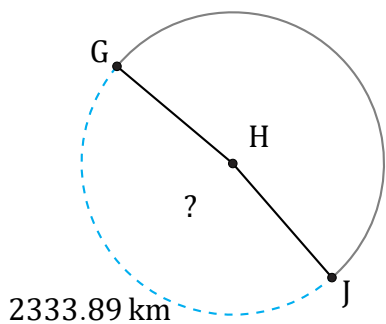
Radius = 7 in

$\angle ABC =$



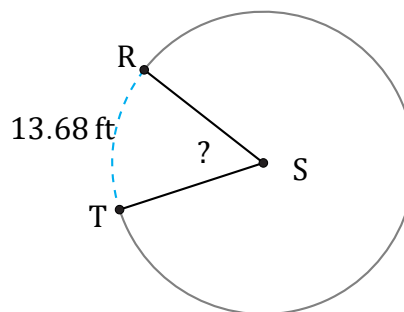
Diameter = 6 ft

$\angle DEF =$



Radius = 782 km

$\angle GHJ =$



Diameter = 28 ft

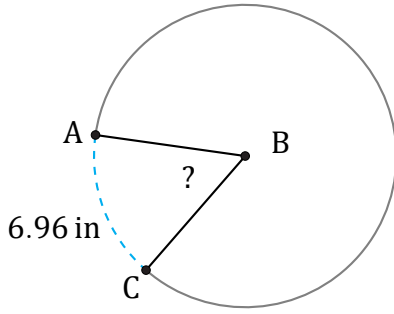
$\angle RST =$

Arc Angles (I) Answers

Name: _____

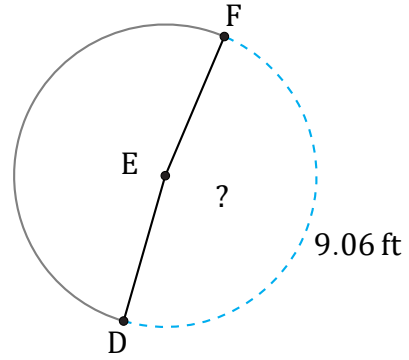
Date: _____

Calculate each arc angle measurement.



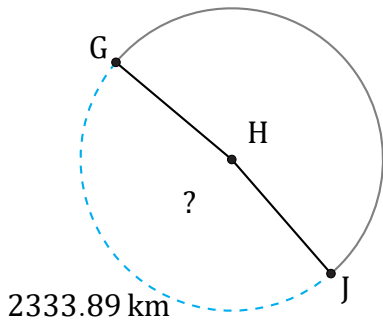
Radius = 7 in

$$\angle ABC = \frac{6.96}{7 \times \pi \times 2} \times 360 = 57^\circ$$



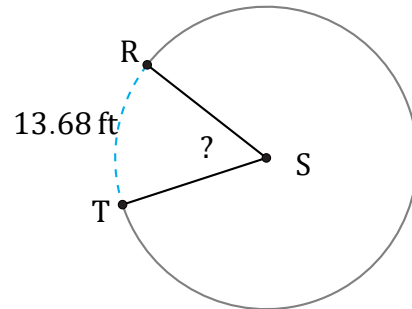
Diameter = 6 ft

$$\angle DEF = \frac{9.06}{6 \times \pi} \times 360 = 173^\circ$$



Radius = 782 km

$$\angle GHJ = \frac{2333.89}{782 \times \pi \times 2} \times 360 = 171^\circ$$



Diameter = 28 ft

$$\angle RST = \frac{13.68}{28 \times \pi} \times 360 = 56^\circ$$