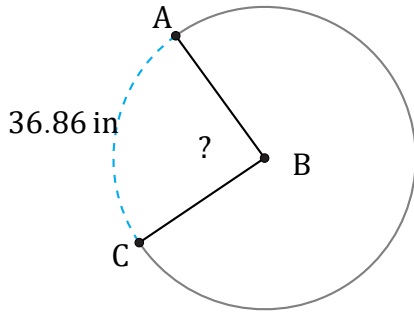


Arc Angles (H)

Name: _____

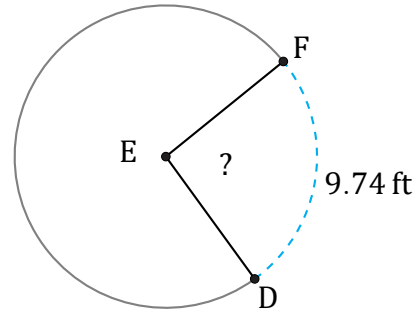
Date: _____

Calculate each arc angle measurement.



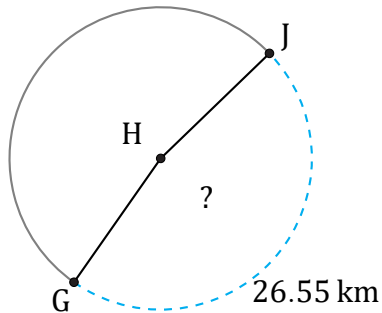
Radius = 24 in

$\angle ABC =$



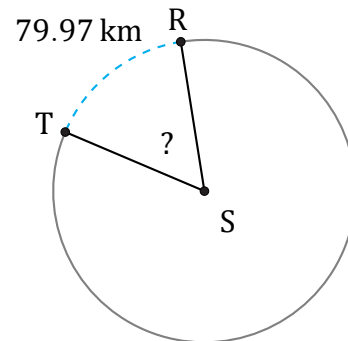
Diameter = 12 ft

$\angle DEF =$



Radius = 9 km

$\angle GHJ =$



Diameter = 158 km

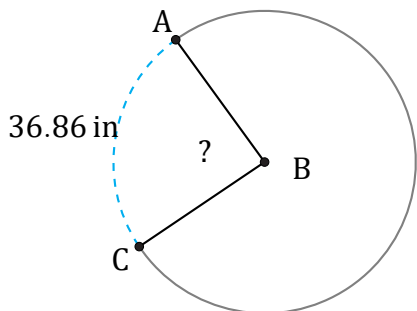
$\angle RST =$

Arc Angles (H) Answers

Name: _____

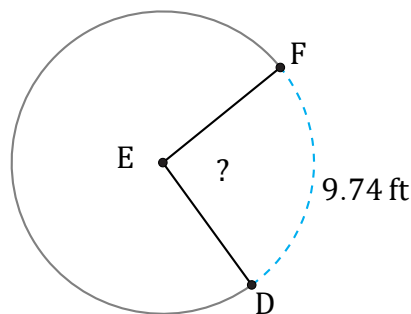
Date: _____

Calculate each arc angle measurement.



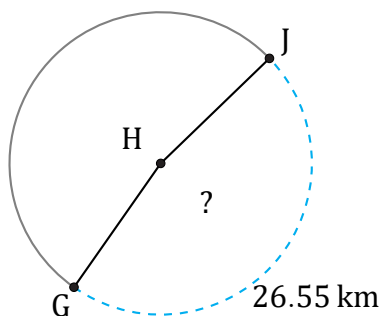
Radius = 24 in

$$\angle ABC = \frac{36.86}{24 \times \pi \times 2} \times 360 = 88^\circ$$



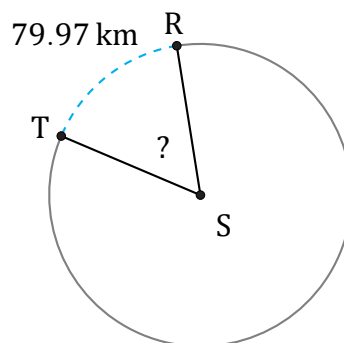
Diameter = 12 ft

$$\angle DEF = \frac{9.74}{12 \times \pi} \times 360 = 93^\circ$$



Radius = 9 km

$$\angle GHJ = \frac{26.55}{9 \times \pi \times 2} \times 360 = 169^\circ$$



Diameter = 158 km

$$\angle RST = \frac{79.97}{158 \times \pi} \times 360 = 58^\circ$$