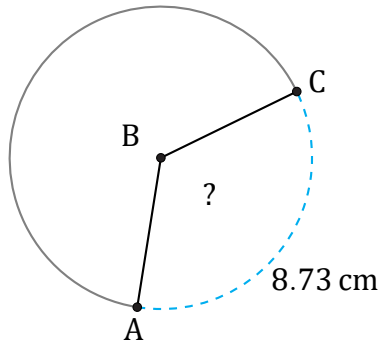


Arc Angles (C)

Name: _____

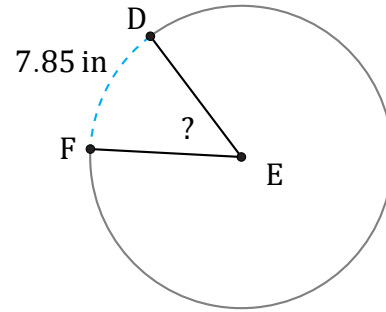
Date: _____

Calculate each arc angle measurement.



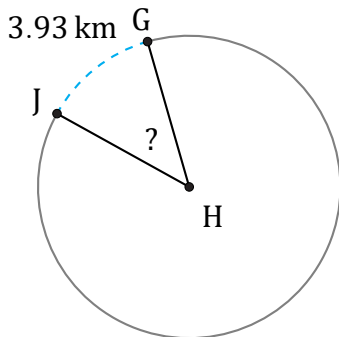
Radius = 4 cm

$\angle ABC =$



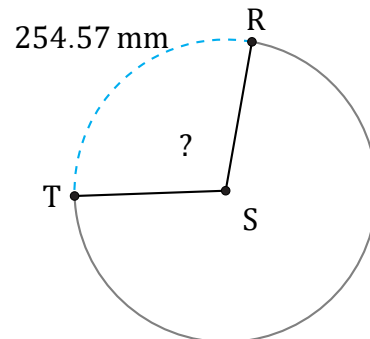
Diameter = 18 in

$\angle DEF =$



Diameter = 10 km

$\angle GHJ =$



Radius = 143 mm

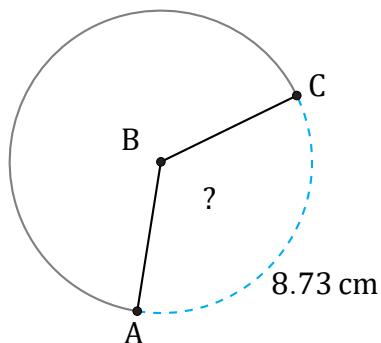
$\angle RST =$

Arc Angles (C) Answers

Name: _____

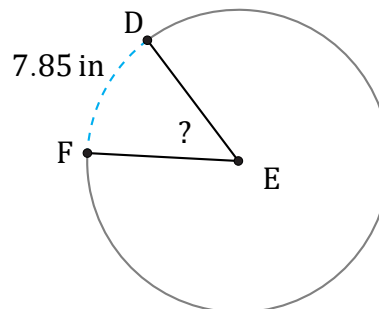
Date: _____

Calculate each arc angle measurement.



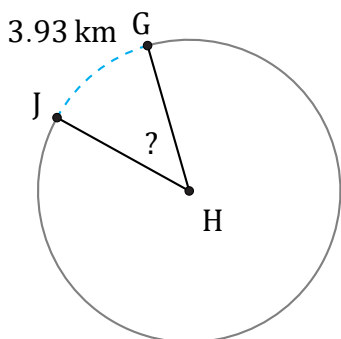
Radius = 4 cm

$$\angle ABC = \frac{8.73}{4 \times \pi \times 2} \times 360 = 125^\circ$$



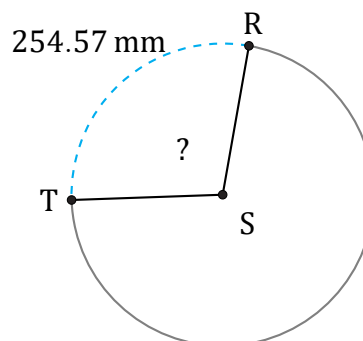
Diameter = 18 in

$$\angle DEF = \frac{7.85}{18 \times \pi} \times 360 = 50^\circ$$



Diameter = 10 km

$$\angle GHJ = \frac{3.93}{10 \times \pi} \times 360 = 45^\circ$$



Radius = 143 mm

$$\angle RST = \frac{254.57}{143 \times \pi \times 2} \times 360 = 102^\circ$$