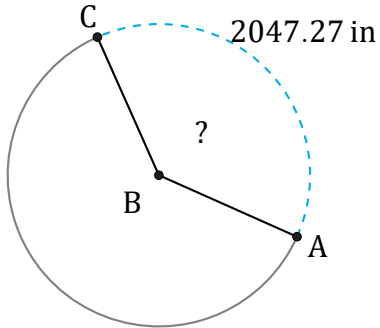


Arc Angles (E)

Name: _____

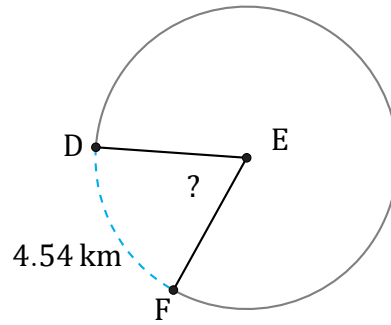
Date: _____

Calculate each arc angle measurement.



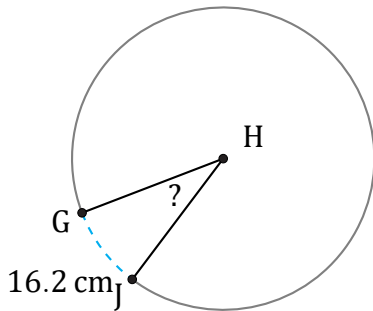
Radius = 850 in

$\angle ABC =$



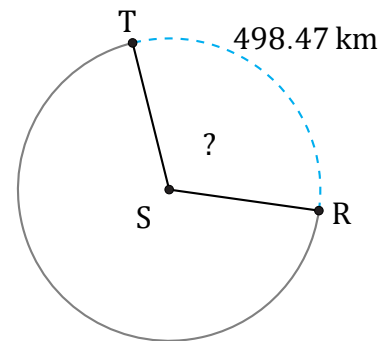
Radius = 4 km

$\angle DEF =$



Radius = 29 cm

$\angle GHJ =$



Radius = 255 km

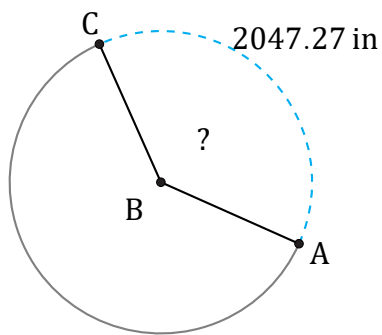
$\angle RST =$

Arc Angles (E) Answers

Name: _____

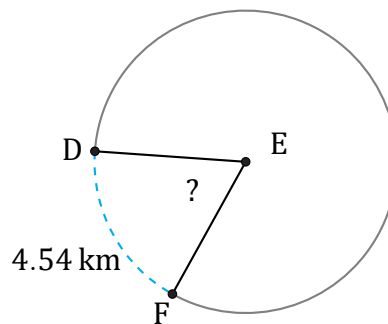
Date: _____

Calculate each arc angle measurement.



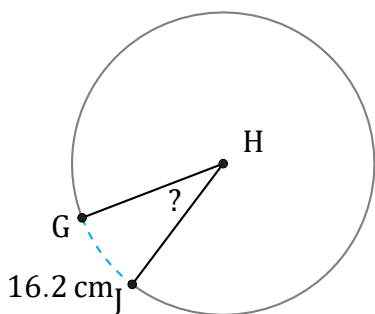
Radius = 850 in

$$\angle ABC = \frac{2047.27}{850 \times \pi \times 2} \times 360 = 138^\circ$$



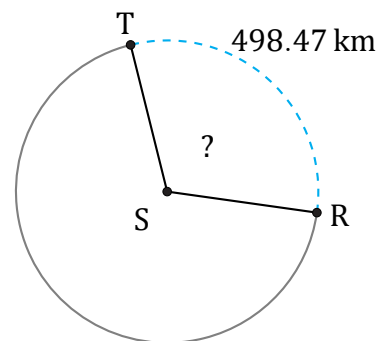
Radius = 4 km

$$\angle DEF = \frac{4.54}{4 \times \pi \times 2} \times 360 = 65^\circ$$



Radius = 29 cm

$$\angle GHJ = \frac{16.2}{29 \times \pi \times 2} \times 360 = 32^\circ$$



Radius = 255 km

$$\angle RST = \frac{498.47}{255 \times \pi \times 2} \times 360 = 112^\circ$$