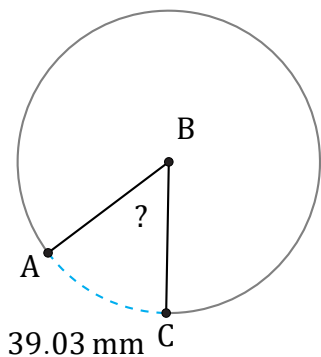


Arc Angles (B)

Name: _____

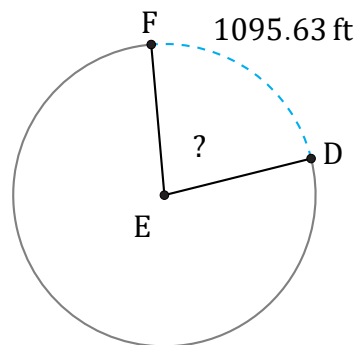
Date: _____

Calculate each arc angle measurement.



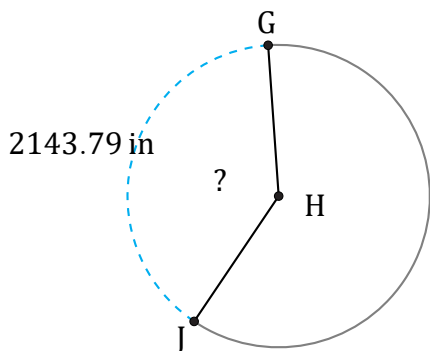
Radius = 43 mm

$\angle ABC =$



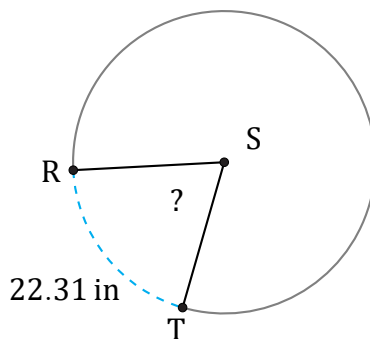
Diameter = 1550 ft

$\angle DEF =$



Radius = 865 in

$\angle GHJ =$



Diameter = 36 in

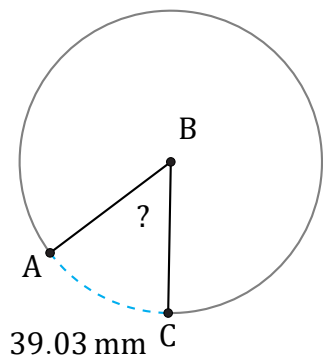
$\angle RST =$

Arc Angles (B) Answers

Name: _____

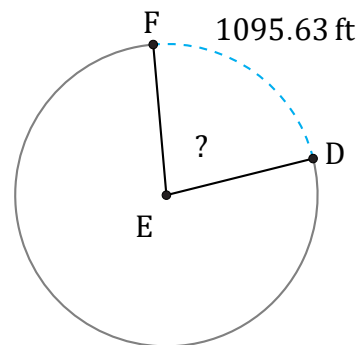
Date: _____

Calculate each arc angle measurement.



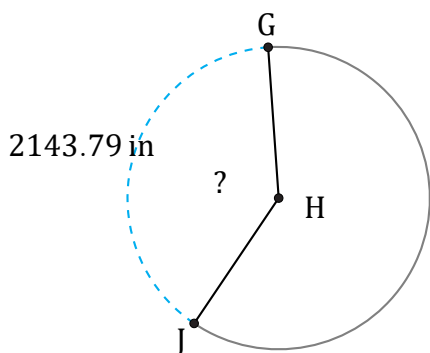
Radius = 43 mm

$$\angle ABC = \frac{39.03}{43 \times \pi \times 2} \times 360 = 52^\circ$$



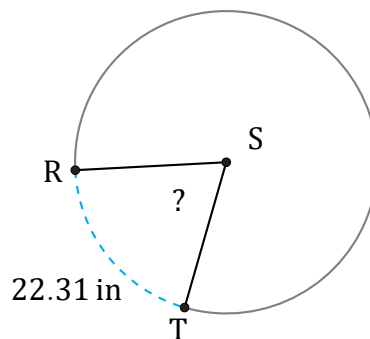
Diameter = 1550 ft

$$\angle DEF = \frac{1095.63}{1550 \times \pi} \times 360 = 81^\circ$$



Radius = 865 in

$$\angle GHJ = \frac{2143.79}{865 \times \pi \times 2} \times 360 = 142^\circ$$



Diameter = 36 in

$$\angle RST = \frac{22.31}{36 \times \pi} \times 360 = 71^\circ$$