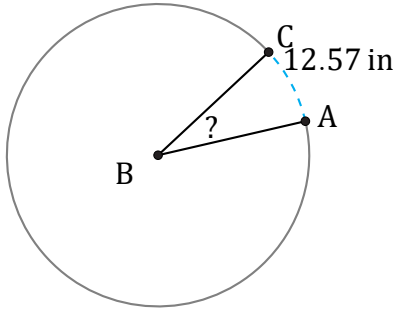


Arc Lengths and Angles (E)

Name: _____

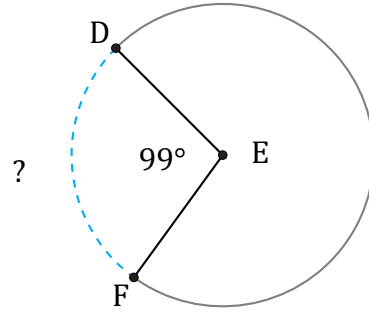
Date: _____

Calculate each arc length or angle measurement.



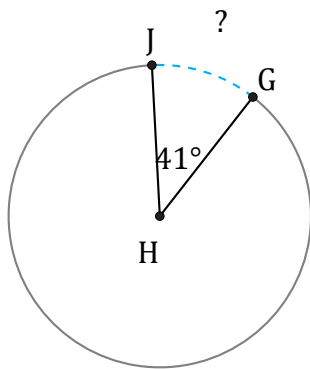
Diameter = 48 in

$\angle ABC =$



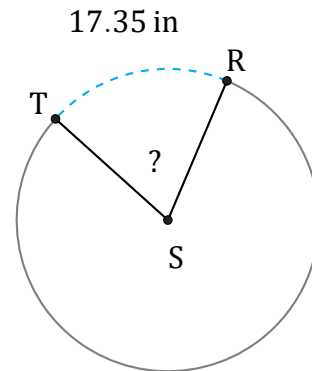
Diameter = 4 AU

$\widehat{DF} =$



Diameter = 940 cm

$\widehat{GJ} =$



Diameter = 28 in

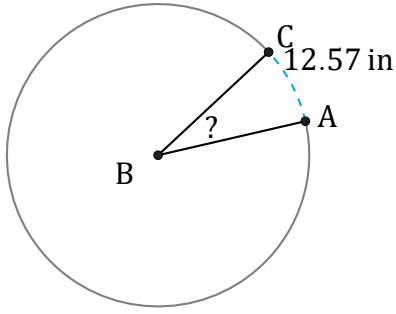
$\angle RST =$

Arc Lengths and Angles (E) Answers

Name: _____

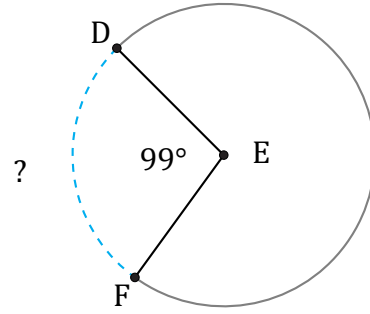
Date: _____

Calculate each arc length or angle measurement.



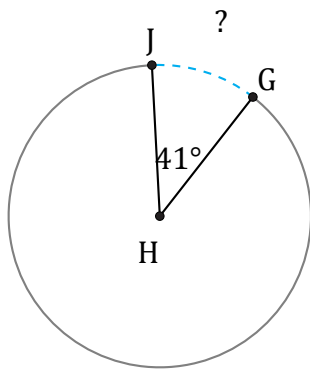
Diameter = 48 in

$$\angle ABC = \frac{12.57}{48 \times \pi} \times 360 = 30^\circ$$



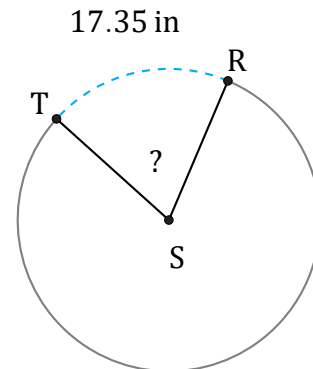
Diameter = 4 AU

$$\widehat{DF} = \frac{99}{360} \times \pi \times 4 = 3.46 \text{ AU}$$



Diameter = 940 cm

$$\widehat{GJ} = \frac{41}{360} \times \pi \times 940 = 336.32 \text{ cm}$$



Diameter = 28 in

$$\angle RST = \frac{17.35}{28 \times \pi} \times 360 = 71^\circ$$