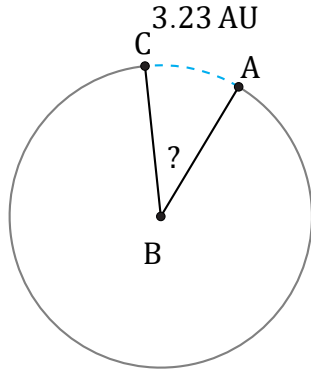


Arc Lengths and Angles (E)

Name: _____

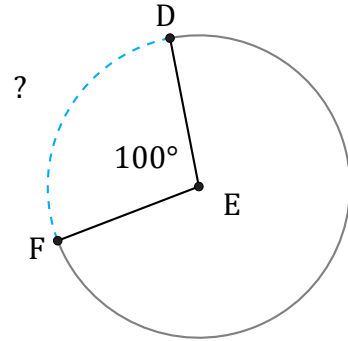
Date: _____

Calculate each arc length or angle measurement.



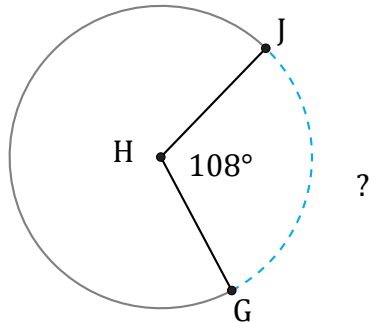
Radius = 5 AU

$\angle ABC =$



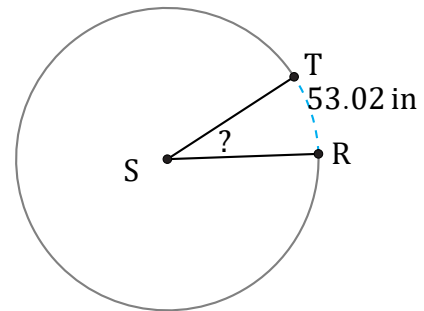
Radius = 4 AU

$\widehat{DF} =$



Radius = 81 m

$\widehat{GJ} =$



Radius = 98 in

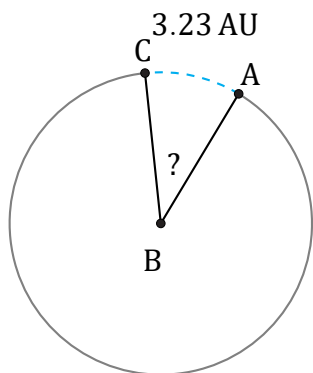
$\angle RST =$

Arc Lengths and Angles (E) Answers

Name: _____

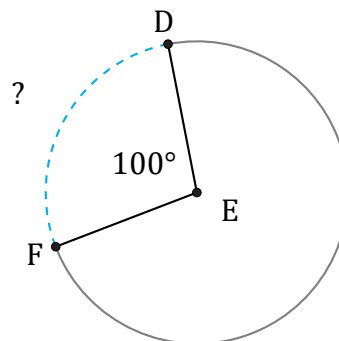
Date: _____

Calculate each arc length or angle measurement.



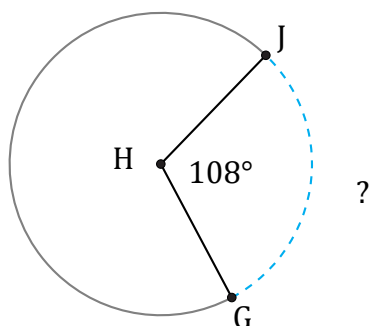
Radius = 5 AU

$$\angle ABC = \frac{3.23}{5 \times \pi \times 2} \times 360 = 37^\circ$$



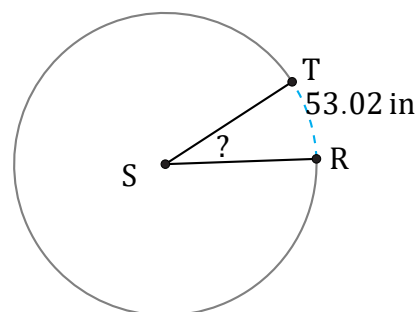
Radius = 4 AU

$$\widehat{DF} = \frac{100}{360} \times \pi \times 4 \times 2 = 6.98 \text{ AU}$$



Radius = 81 m

$$\widehat{GJ} = \frac{108}{360} \times \pi \times 81 \times 2 = 152.68 \text{ m}$$



Radius = 98 in

$$\angle RST = \frac{53.02}{98 \times \pi \times 2} \times 360 = 31^\circ$$