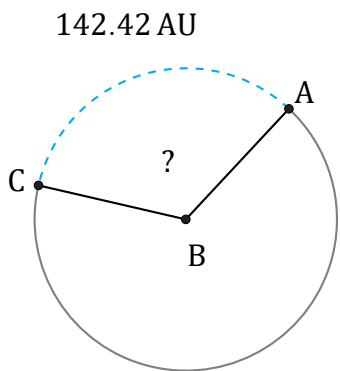


Arc Angles (J)

Name: _____

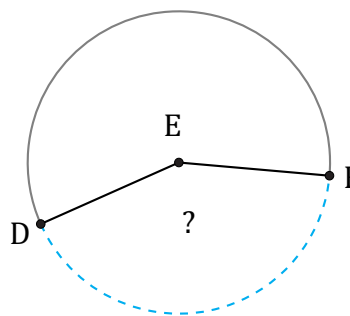
Date: _____

Calculate each arc angle measurement.



Radius = 68 AU

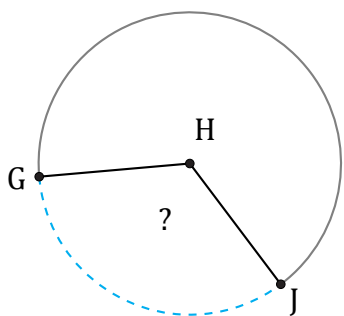
$\angle ABC =$



86.97 in

Radius = 33 in

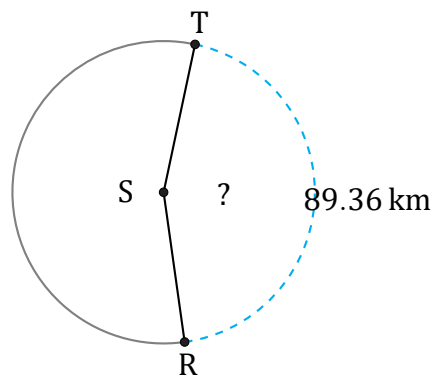
$\angle DEF =$



125.63 cm

Diameter = 118 cm

$\angle GHJ =$



89.36 km

Diameter = 64 km

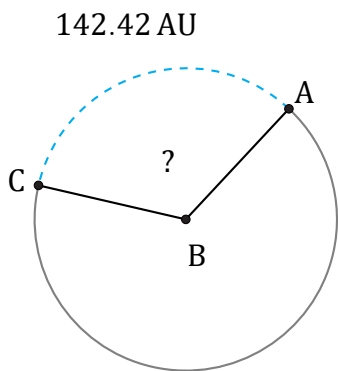
$\angle RST =$

Arc Angles (J) Answers

Name: _____

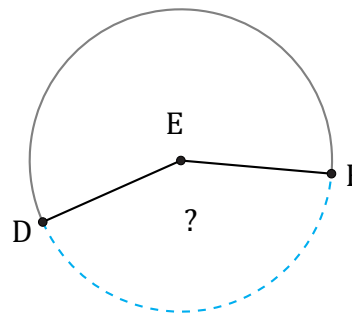
Date: _____

Calculate each arc angle measurement.



Radius = 68 AU

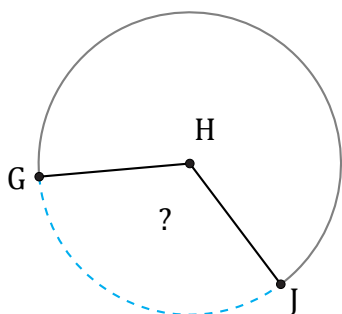
$$\angle ABC = \frac{142.42}{68 \times \pi \times 2} \times 360 = 120^\circ$$



86.97 in

Radius = 33 in

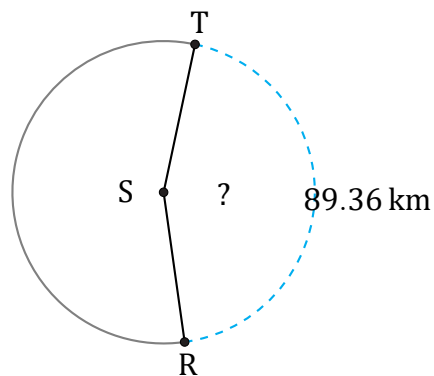
$$\angle DEF = \frac{86.97}{33 \times \pi \times 2} \times 360 = 151^\circ$$



125.63 cm

Diameter = 118 cm

$$\angle GHJ = \frac{125.63}{118 \times \pi} \times 360 = 122^\circ$$



89.36 km

Diameter = 64 km

$$\angle RST = \frac{89.36}{64 \times \pi} \times 360 = 160^\circ$$