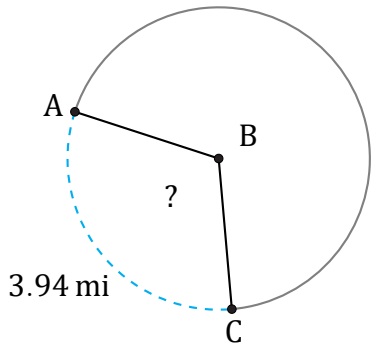


Arc Angles (H)

Name: _____

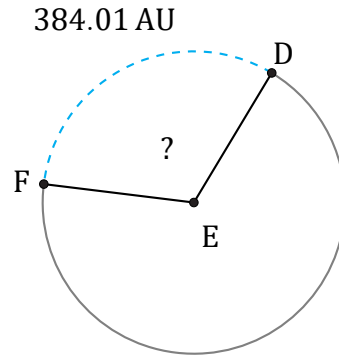
Date: _____

Calculate each arc angle measurement.



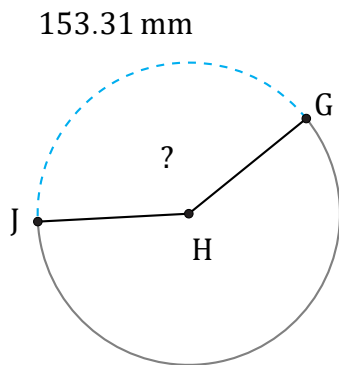
Radius = 2 mi

$\angle ABC =$



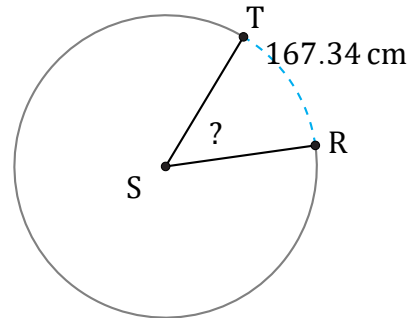
Radius = 193 AU

$\angle DEF =$



Radius = 61 mm

$\angle GHJ =$



Radius = 188 cm

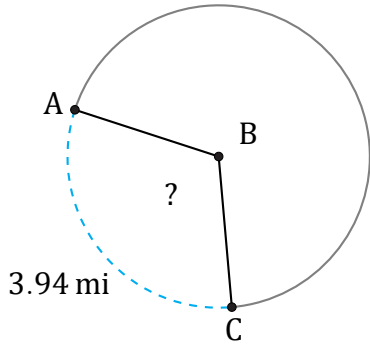
$\angle RST =$

Arc Angles (H) Answers

Name: _____

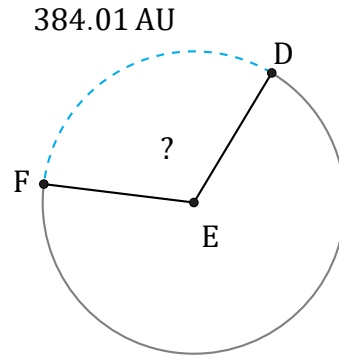
Date: _____

Calculate each arc angle measurement.



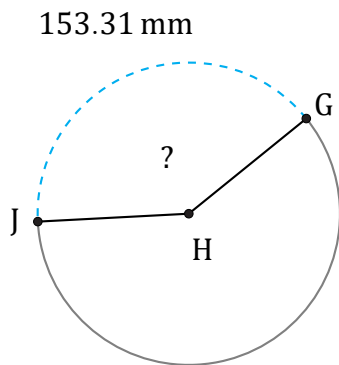
Radius = 2 mi

$$\angle ABC = \frac{3.94}{2 \times \pi \times 2} \times 360 = 112.9^\circ$$



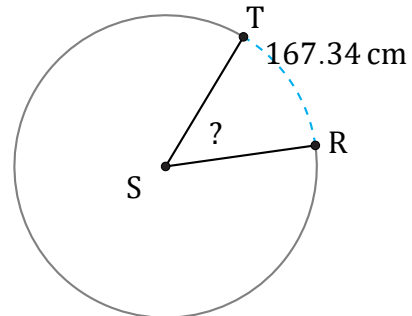
Radius = 193 AU

$$\angle DEF = \frac{384.01}{193 \times \pi \times 2} \times 360 = 114^\circ$$



Radius = 61 mm

$$\angle GHJ = \frac{153.31}{61 \times \pi \times 2} \times 360 = 144^\circ$$



Radius = 188 cm

$$\angle RST = \frac{167.34}{188 \times \pi \times 2} \times 360 = 51^\circ$$