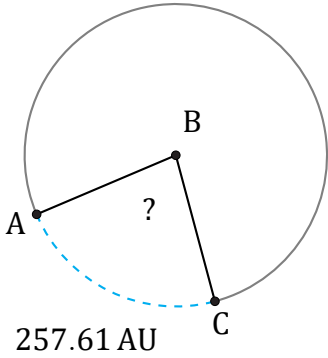


Arc Angles (J)

Name: _____

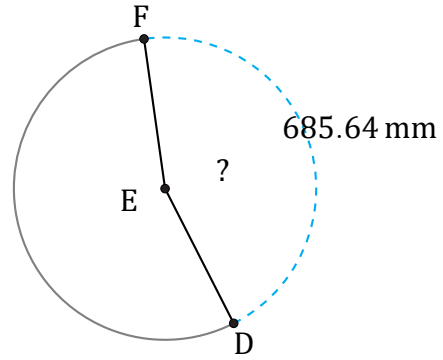
Date: _____

Calculate each arc angle measurement.



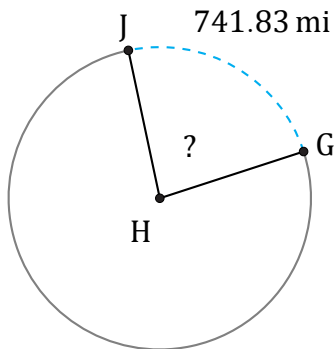
Radius = 180 AU

$\angle ABC =$



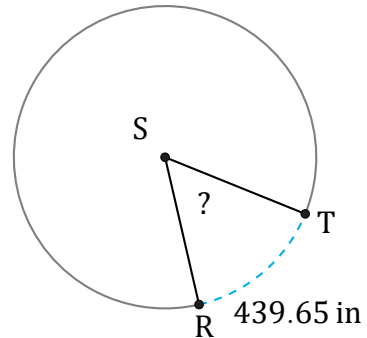
Diameter = 488 mm

$\angle DEF =$



Circumference = 3179.29 mi

$\angle GHJ =$



Circumference = 2877.7 in

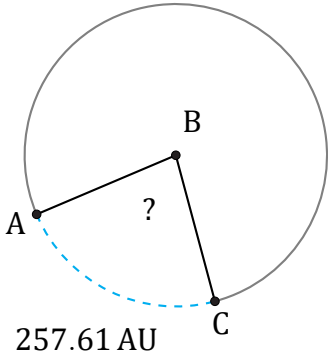
$\angle RST =$

Arc Angles (J) Answers

Name: _____

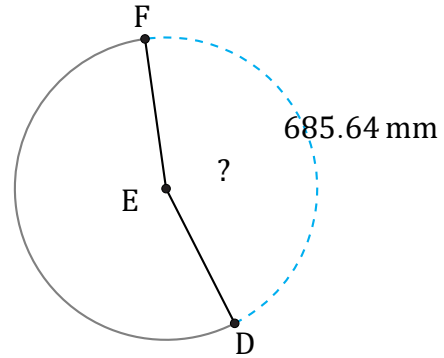
Date: _____

Calculate each arc angle measurement.



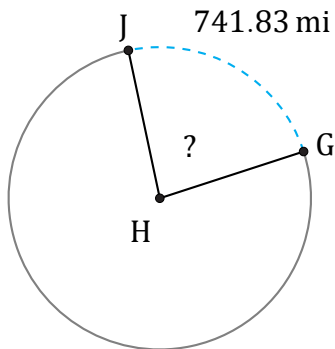
Radius = 180 AU

$$\angle ABC = \frac{257.61}{180 \times \pi \times 2} \times 360 = 82^\circ$$



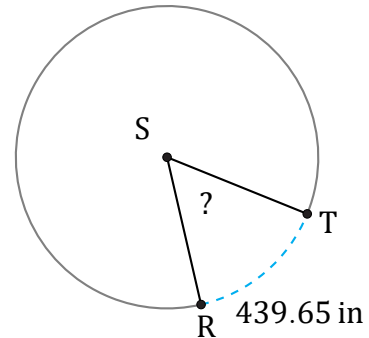
Diameter = 488 mm

$$\angle DEF = \frac{685.64}{488 \times \pi} \times 360 = 161^\circ$$



Circumference = 3179.29 mi

$$\angle GHJ = \frac{741.83}{3179.29} \times 360 = 84^\circ$$



Circumference = 2877.7 in

$$\angle RST = \frac{439.65}{2877.7} \times 360 = 55^\circ$$