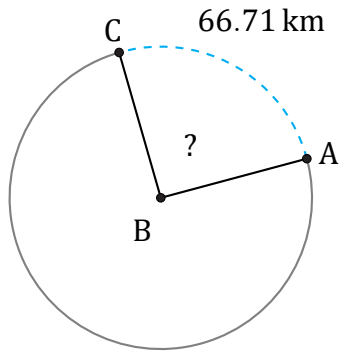


Arc Angles (C)

Name: _____

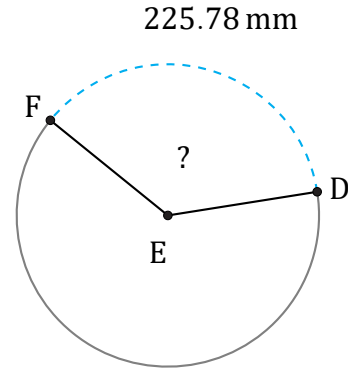
Date: _____

Calculate each arc angle measurement.



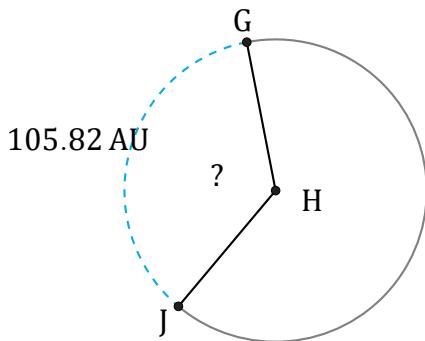
Radius = 42 km

$\angle ABC =$



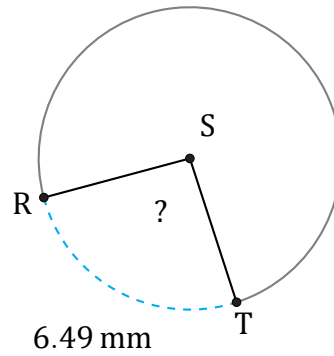
Diameter = 196 mm

$\angle DEF =$



Diameter = 94 AU

$\angle GHJ =$



Circumference = 25.13 mm

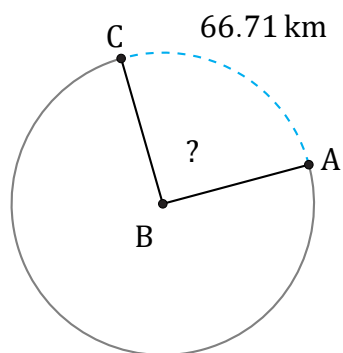
$\angle RST =$

Arc Angles (C) Answers

Name: _____

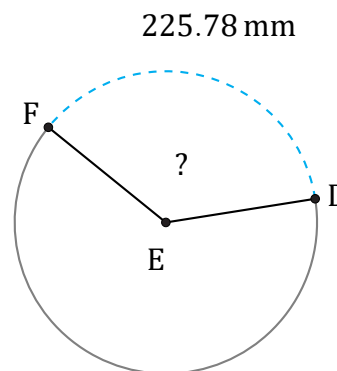
Date: _____

Calculate each arc angle measurement.



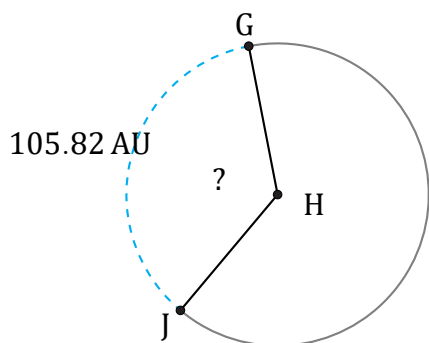
Radius = 42 km

$$\angle ABC = \frac{66.71}{42 \times \pi \times 2} \times 360 = 91^\circ$$



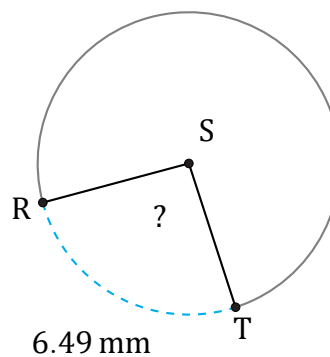
Diameter = 196 mm

$$\angle DEF = \frac{225.78}{196 \times \pi} \times 360 = 132^\circ$$



Diameter = 94 AU

$$\angle GHJ = \frac{105.82}{94 \times \pi} \times 360 = 129^\circ$$



Circumference = 25.13 mm

$$\angle RST = \frac{6.49}{25.13} \times 360 = 93^\circ$$