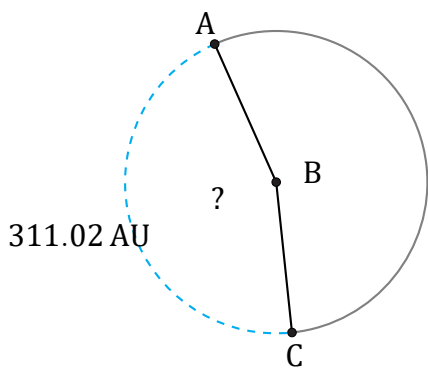


Arc Angles (I)

Name: _____

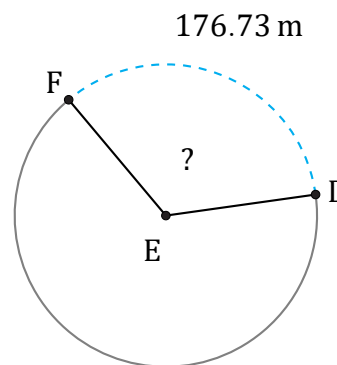
Date: _____

Calculate each arc angle measurement.



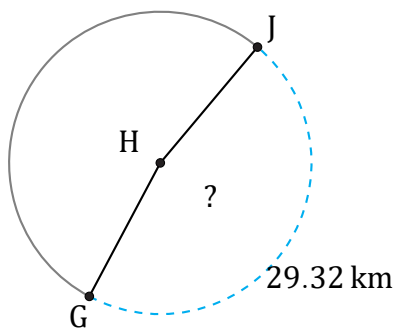
Radius = 110 AU

$\angle ABC =$



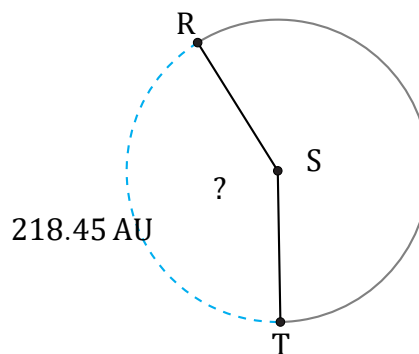
Circumference = 521.5 m

$\angle DEF =$



Diameter = 20 km

$\angle GHJ =$



Diameter = 168 AU

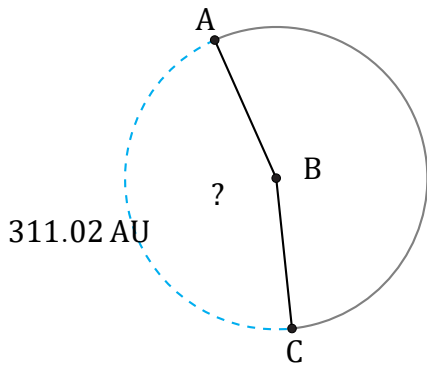
$\angle RST =$

Arc Angles (I) Answers

Name: _____

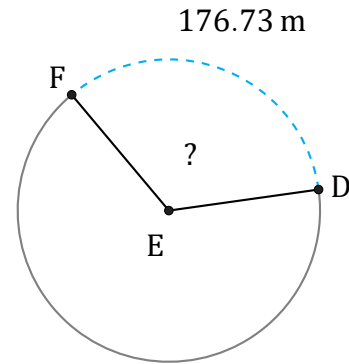
Date: _____

Calculate each arc angle measurement.



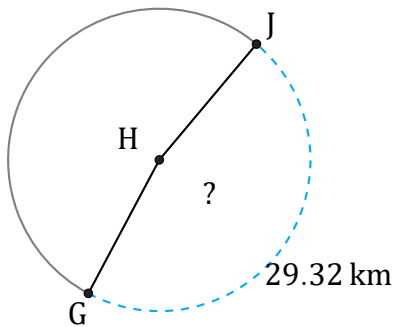
Radius = 110 AU

$$\angle ABC = \frac{311.02}{110 \times \pi \times 2} \times 360 = 162^\circ$$



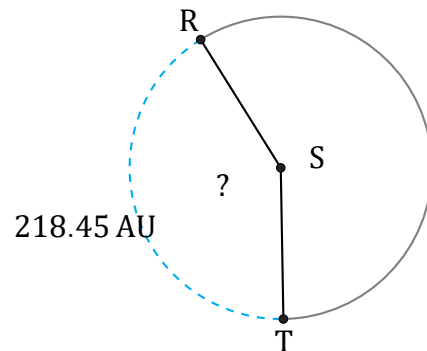
Circumference = 521.5 m

$$\angle DEF = \frac{176.73}{521.5} \times 360 = 122^\circ$$



Diameter = 20 km

$$\angle GHJ = \frac{29.32}{20 \times \pi} \times 360 = 168^\circ$$



Diameter = 168 AU

$$\angle RST = \frac{218.45}{168 \times \pi} \times 360 = 149^\circ$$