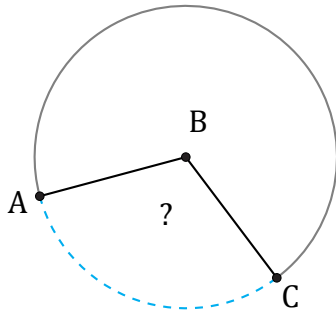


# Arc Angles (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

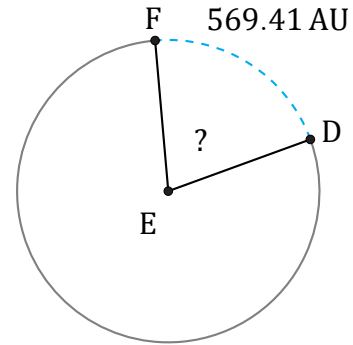
Calculate each arc angle measurement.



$824.91 \text{ AU}$

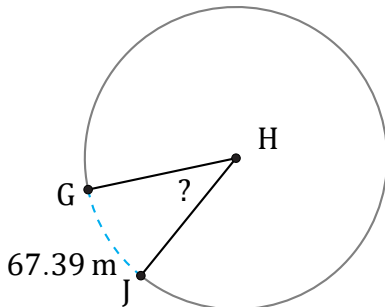
Radius =  $422 \text{ AU}$

$\angle ABC =$



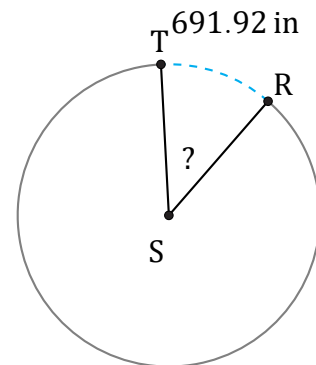
Diameter =  $870 \text{ AU}$

$\angle DEF =$



Diameter =  $198 \text{ m}$

$\angle GHJ =$



Circumference =  $5661.15 \text{ in}$

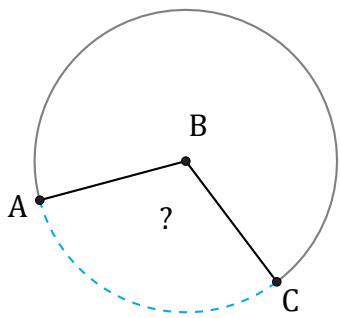
$\angle RST =$

# Arc Angles (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

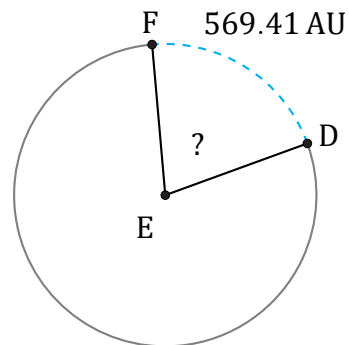
Calculate each arc angle measurement.



824.91 AU

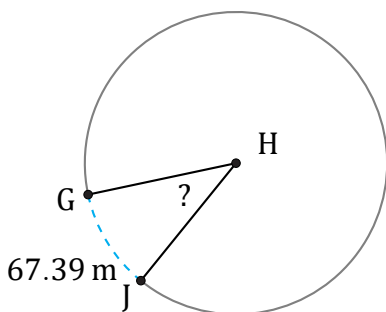
Radius = 422 AU

$$\angle ABC = \frac{824.91}{422 \times \pi \times 2} \times 360 = 112^\circ$$



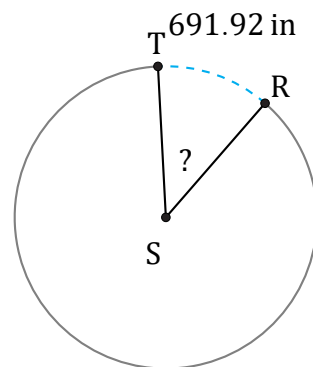
Diameter = 870 AU

$$\angle DEF = \frac{569.41}{870 \times \pi} \times 360 = 75^\circ$$



Diameter = 198 m

$$\angle GHJ = \frac{67.39}{198 \times \pi} \times 360 = 39^\circ$$



Circumference = 5661.15 in

$$\angle RST = \frac{691.92}{5661.15} \times 360 = 44^\circ$$