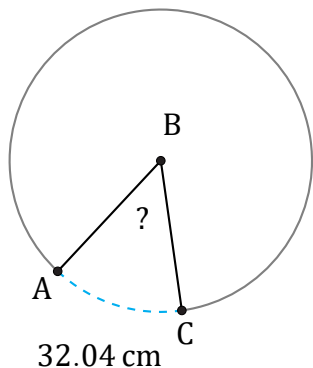


# Arc Angles (G)

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

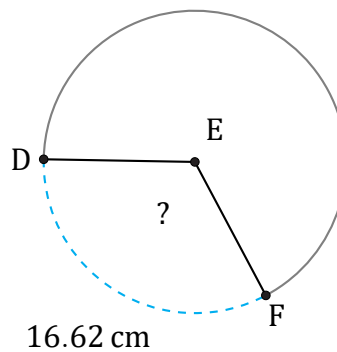
Date: \_\_\_\_\_

Calculate each arc angle measurement.



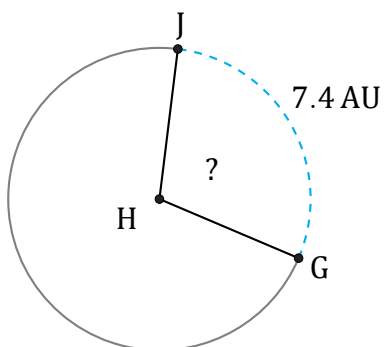
Circumference =  $226.19\text{ cm}$

$\angle ABC =$



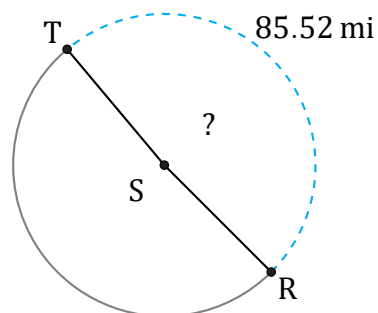
Radius =  $8\text{ cm}$

$\angle DEF =$



Radius =  $4\text{ AU}$

$\angle GHJ =$



Diameter =  $56\text{ mi}$

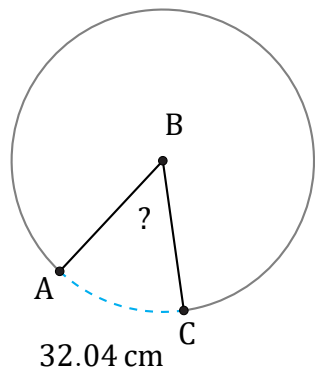
$\angle RST =$

# Arc Angles (G) Answers

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

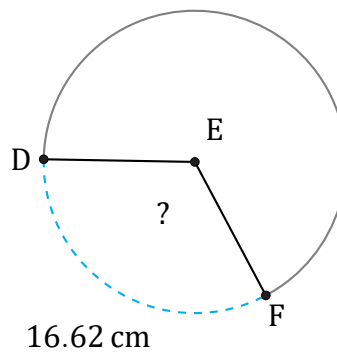
Date: \_\_\_\_\_

Calculate each arc angle measurement.



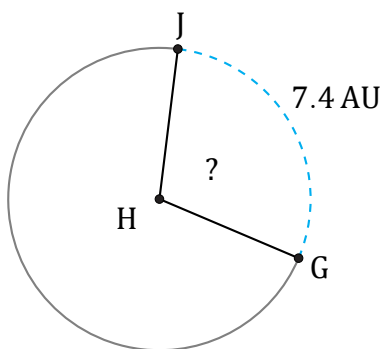
Circumference = 226.19 cm

$$\angle ABC = \frac{32.04}{226.19} \times 360 = 51^\circ$$



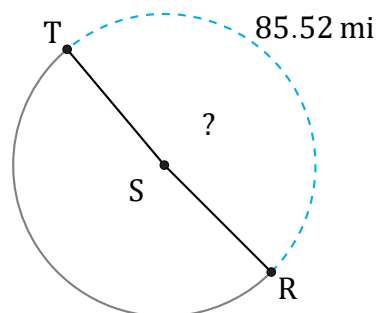
Radius = 8 cm

$$\angle DEF = \frac{16.62}{8 \times \pi \times 2} \times 360 = 119^\circ$$



Radius = 4 AU

$$\angle GHJ = \frac{7.4}{4 \times \pi \times 2} \times 360 = 106^\circ$$



Diameter = 56 mi

$$\angle RST = \frac{85.52}{56 \times \pi} \times 360 = 175^\circ$$