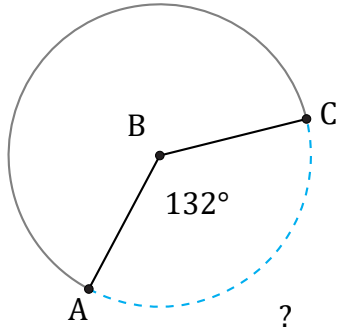


# Arc Length (G)

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

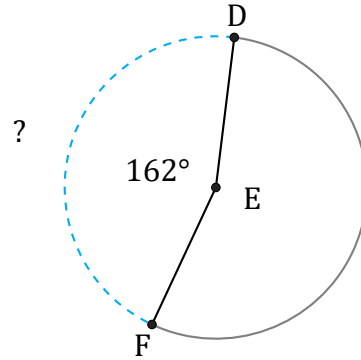
Date: \_\_\_\_\_

Calculate each arc length.



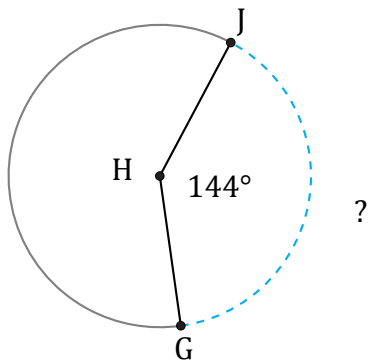
Circumference = 408.41 mi

$\widehat{AC} =$



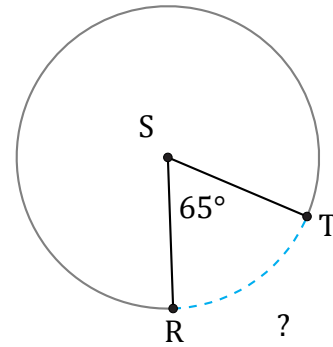
Diameter = 142 cm

$\widehat{DF} =$



Radius = 255 in

$\widehat{GJ} =$



Diameter = 110 AU

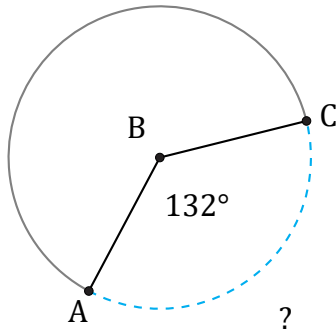
$\widehat{RT} =$

# Arc Length (G) Answers

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

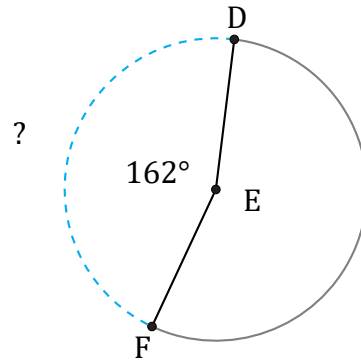
Date: \_\_\_\_\_

Calculate each arc length.



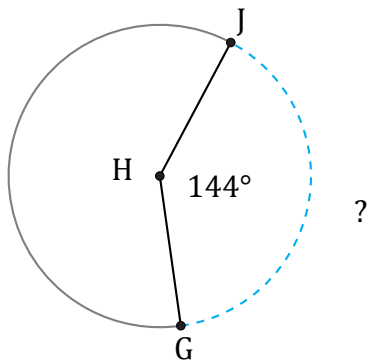
Circumference = 408.41 mi

$$\widehat{AC} = \frac{132}{360} \times 408.41 = 149.75 \text{ mi}$$



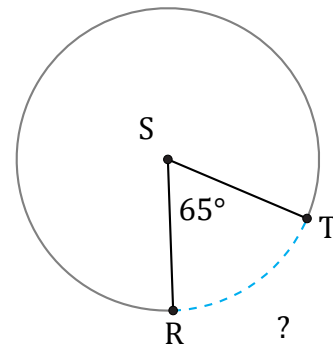
Diameter = 142 cm

$$\widehat{DF} = \frac{162}{360} \times \pi \times 142 = 200.75 \text{ cm}$$



Radius = 255 in

$$\widehat{GJ} = \frac{144}{360} \times \pi \times 255 \times 2 = 640.88 \text{ in}$$



Diameter = 110 AU

$$\widehat{RT} = \frac{65}{360} \times \pi \times 110 = 62.4 \text{ AU}$$