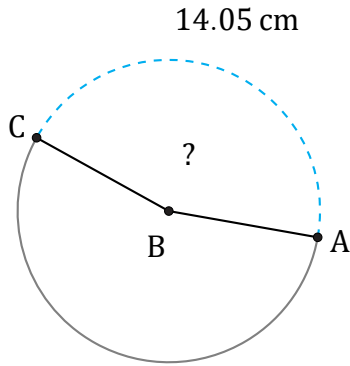


# Arc Lengths and Angles (B)

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

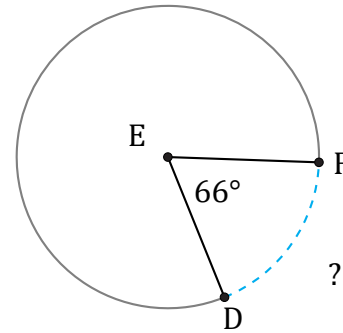
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



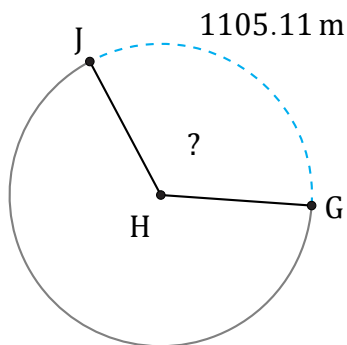
Radius = 5 cm

$\angle ABC =$



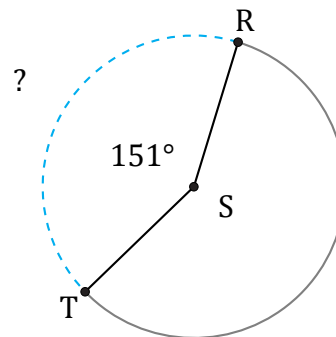
Radius = 10 AU

$\widehat{DF} =$



Radius = 519 m

$\angle GHJ =$



Radius = 560 AU

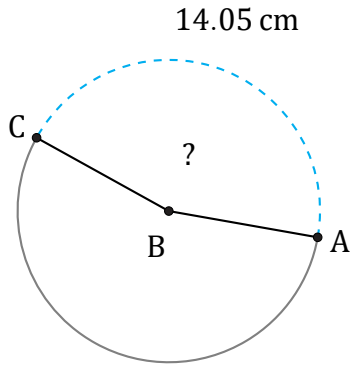
$\widehat{RT} =$

# Arc Lengths and Angles (B) Answers

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

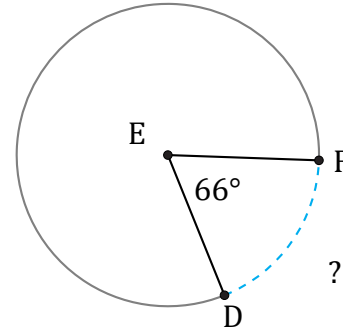
Date: \_\_\_\_\_

Calculate each arc length or angle measurement.



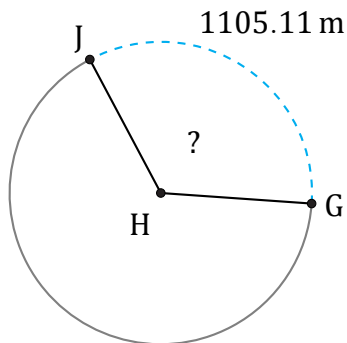
Radius = 5 cm

$$\angle ABC = \frac{14.05}{5 \times \pi \times 2} \times 360 = 161^\circ$$



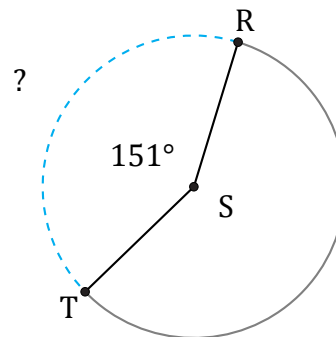
Radius = 10 AU

$$\widehat{DF} = \frac{66}{360} \times \pi \times 10 \times 2 = 11.52 \text{ AU}$$



Radius = 519 m

$$\angle GHJ = \frac{1105.11}{519 \times \pi \times 2} \times 360 = 122^\circ$$



Radius = 560 AU

$$\widehat{RT} = \frac{151}{360} \times \pi \times 560 \times 2 = 1475.85 \text{ AU}$$