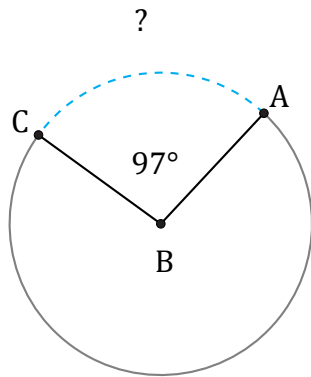


Arc Length (H)

Name: _____

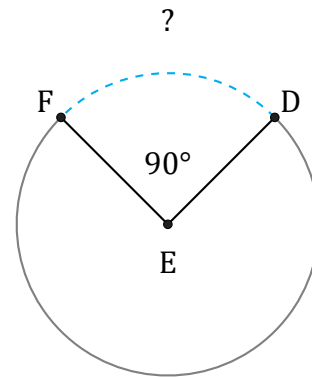
Date: _____

Calculate each arc length.



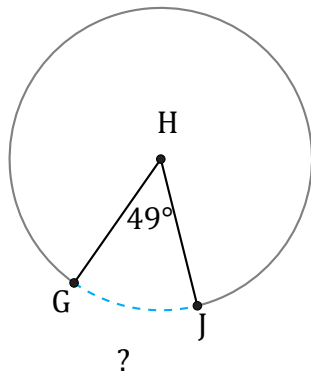
Diameter = 270 mm

$\widehat{AC} =$



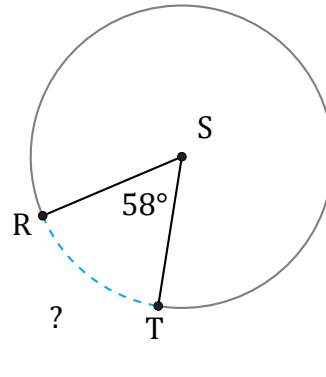
Diameter = 14 mm

$\widehat{DF} =$



Radius = 456 cm

$\widehat{GJ} =$



Radius = 33 m

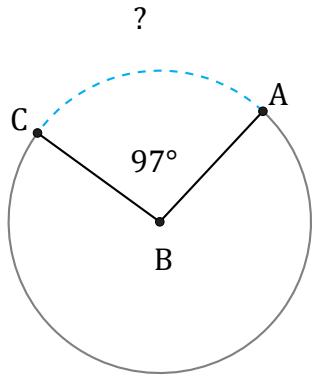
$\widehat{RT} =$

Arc Length (H) Answers

Name: _____

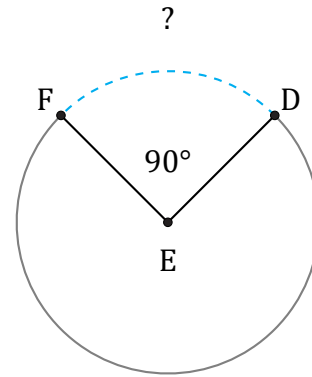
Date: _____

Calculate each arc length.



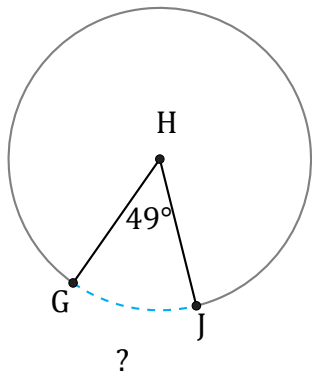
Diameter = 270 mm

$$\widehat{AC} = \frac{97}{360} \times \pi \times 270 = 228.55 \text{ mm}$$



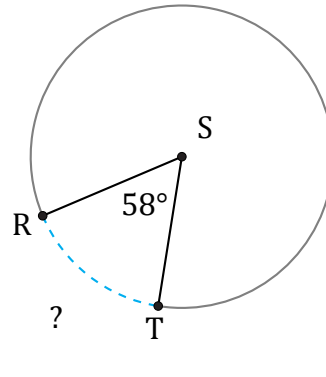
Diameter = 14 mm

$$\widehat{DF} = \frac{90}{360} \times \pi \times 14 = 11 \text{ mm}$$



Radius = 456 cm

$$\widehat{GJ} = \frac{49}{360} \times \pi \times 456 \times 2 = 389.98 \text{ cm}$$



Radius = 33 m

$$\widehat{RT} = \frac{58}{360} \times \pi \times 33 \times 2 = 33.41 \text{ m}$$