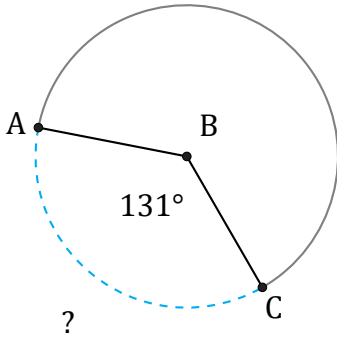


Arc Length (E)

Name: _____

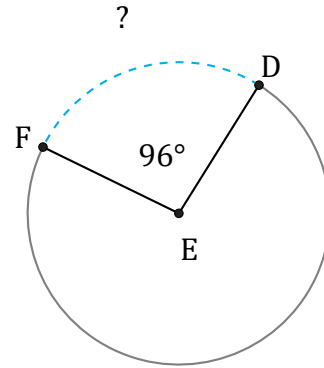
Date: _____

Calculate each arc length.



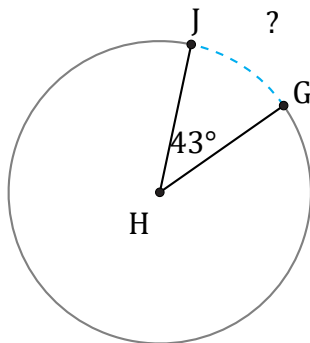
Diameter = 112 in

$\widehat{AC} =$



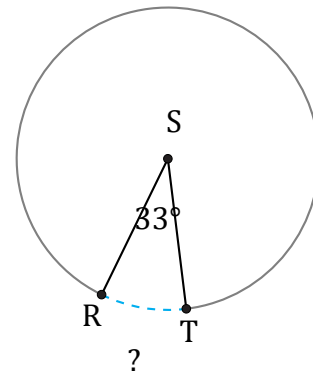
Diameter = 978 ft

$\widehat{DF} =$



Diameter = 968 cm

$\widehat{GJ} =$



Diameter = 744 km

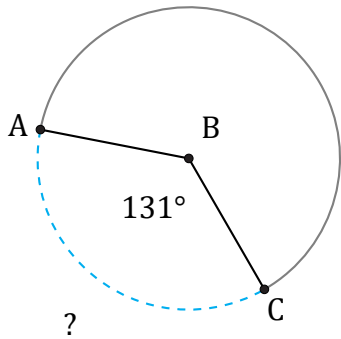
$\widehat{RT} =$

Arc Length (E) Answers

Name: _____

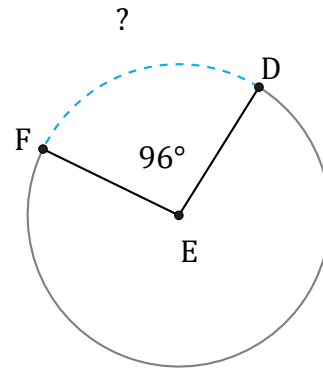
Date: _____

Calculate each arc length.



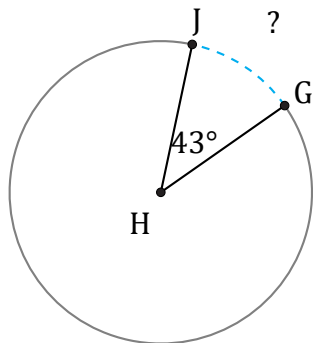
Diameter = 112 in

$$\widehat{AC} = \frac{131}{360} \times \pi \times 112 = 128.04 \text{ in}$$



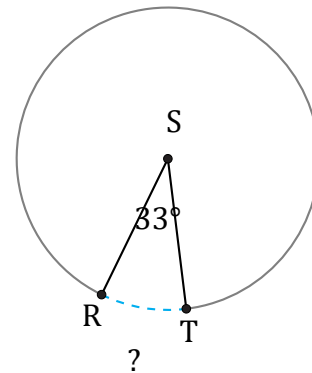
Diameter = 978 ft

$$\widehat{DF} = \frac{96}{360} \times \pi \times 978 = 819.33 \text{ ft}$$



Diameter = 968 cm

$$\widehat{GJ} = \frac{43}{360} \times \pi \times 968 = 363.24 \text{ cm}$$



Diameter = 744 km

$$\widehat{RT} = \frac{33}{360} \times \pi \times 744 = 214.26 \text{ km}$$