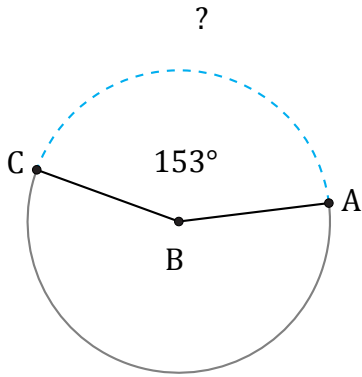


# Amplitud y Longitud de Arcos (C)

Nombre: \_\_\_\_\_

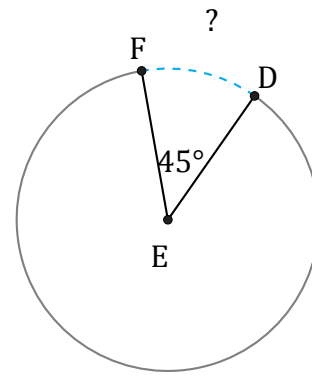
Fecha: \_\_\_\_\_

Calcule la amplitud angular o la longitud de cada arco.



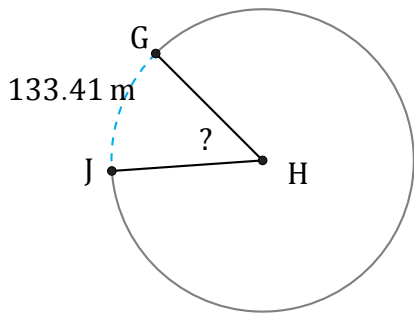
Radio = 10 mm

$\widehat{AC} =$



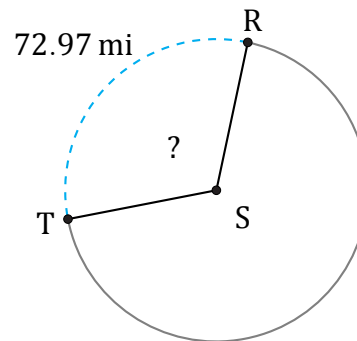
Radio = 27 ft

$\widehat{DF} =$



Radio = 156 m

$\angle GHJ =$



Radio = 37 mi

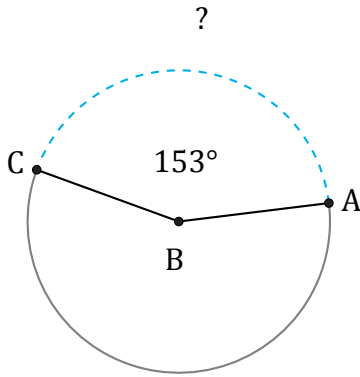
$\angle RST =$

# Amplitud y Longitud de Arcos (C) Respuestas

Nombre: \_\_\_\_\_

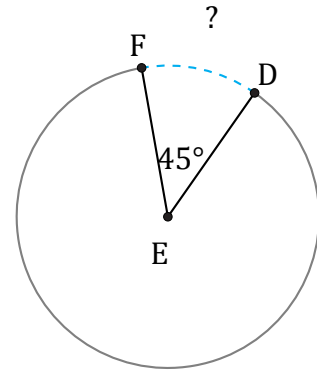
Fecha: \_\_\_\_\_

Calcule la amplitud angular o la longitud de cada arco.



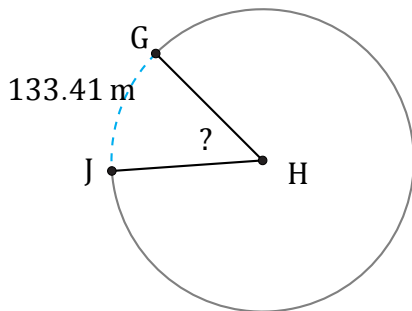
Radio = 10 mm

$$\widehat{AC} = \frac{153}{360} \times \pi \times 10 \times 2 = 26.7 \text{ mm}$$



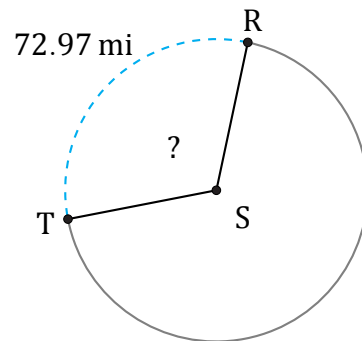
Radio = 27 ft

$$\widehat{DF} = \frac{45}{360} \times \pi \times 27 \times 2 = 21.21 \text{ ft}$$



Radio = 156 m

$$\angle GHJ = \frac{133.41}{156 \times \pi \times 2} \times 360 = 49^\circ$$



Radio = 37 mi

$$\angle RST = \frac{72.97}{37 \times \pi \times 2} \times 360 = 113^\circ$$