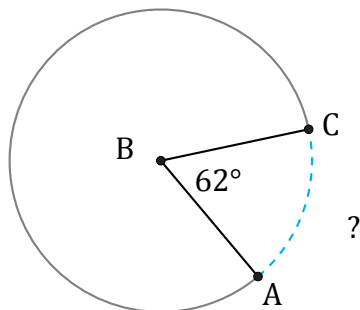


# Amplitud y Longitud de Arcos (A)

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

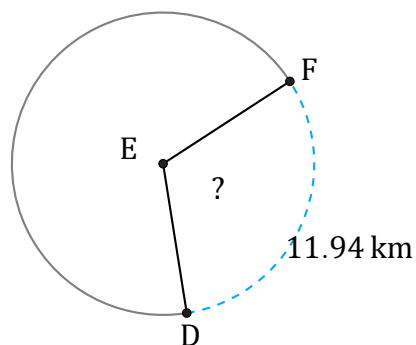
Fecha: \_\_\_\_\_

Calcule la amplitud angular o la longitud de cada arco.



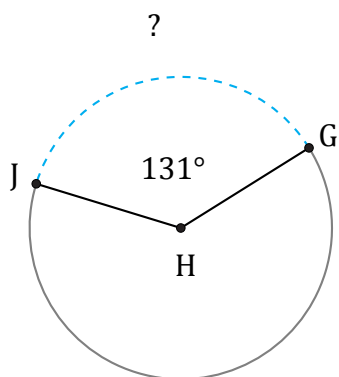
Radio = 9 in

$\widehat{AC} =$



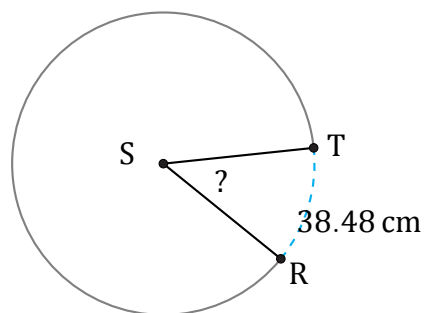
Diámetro = 12 km

$\angle DEF =$



Circunferencia = 50.27 km

$\widehat{GJ} =$



Radio = 49 cm

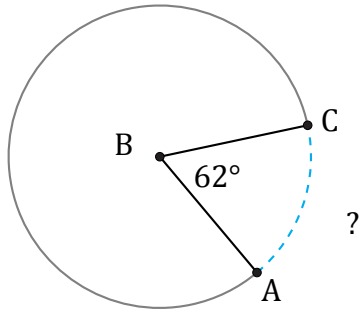
$\angle RST =$

# Amplitud y Longitud de Arcos (A) Respuestas

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

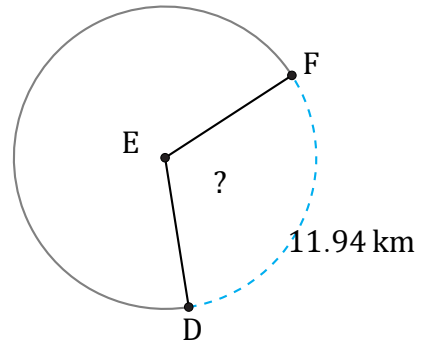
Fecha: \_\_\_\_\_

Calcule la amplitud angular o la longitud de cada arco.



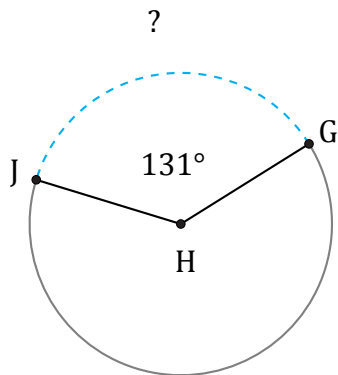
Radio = 9 in

$$\widehat{AC} = \frac{62}{360} \times \pi \times 9 \times 2 = 9.74 \text{ in}$$



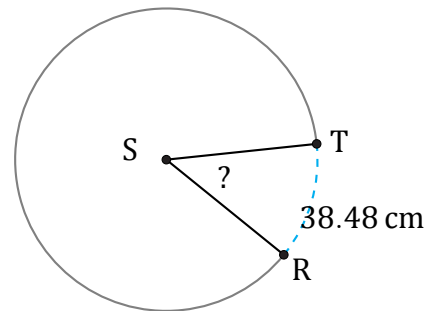
Diámetro = 12 km

$$\angle DEF = \frac{11.94}{12 \times \pi} \times 360 = 114^\circ$$



Circunferencia = 50.27 km

$$\widehat{GJ} = \frac{131}{360} \times 50.27 = 18.29 \text{ km}$$



Radio = 49 cm

$$\angle RST = \frac{38.48}{49 \times \pi \times 2} \times 360 = 45^\circ$$