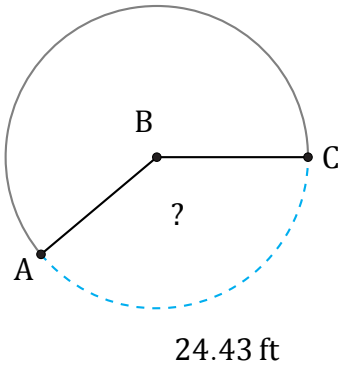
Amplitud y Longitud de Arcos (B)

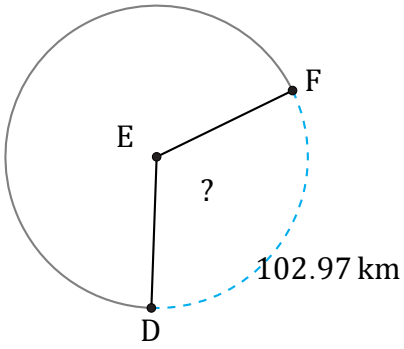
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



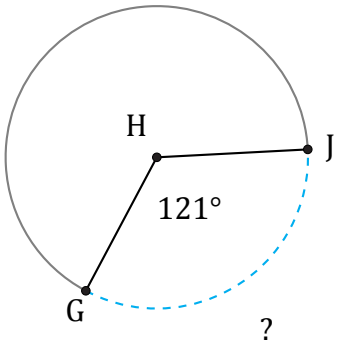
Radio = 10 ft

∠ABC =



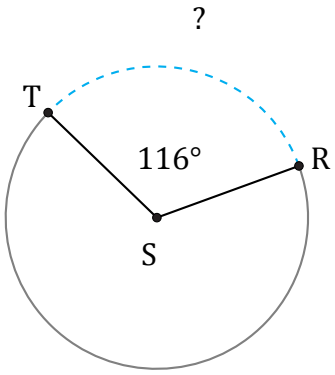
Radio = 50 km

∠DEF =



Radio = 210 cm

$\overset{\frown}{GJ}$ =



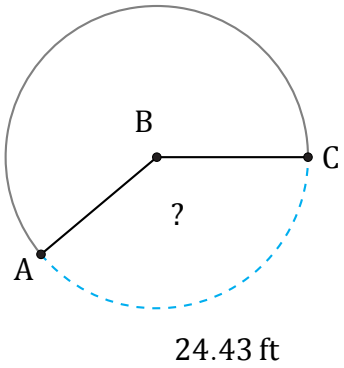
Radio = 362 mm

$\overset{\frown}{RT}$ =

Amplitud y Longitud de Arcos (B) Respuestas

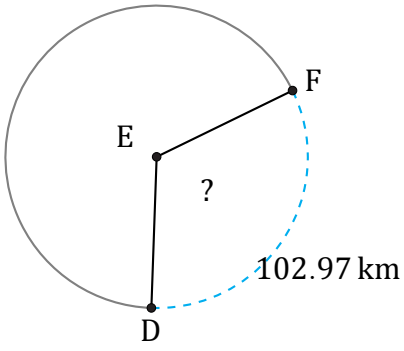
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



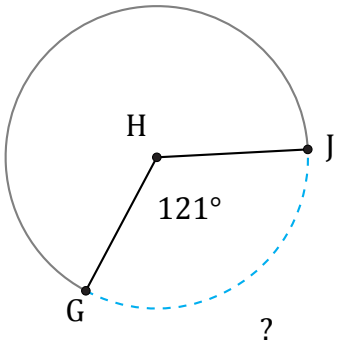
Radio = 10 ft

$\angle ABC = \frac{24.43}{10 \times \pi \times 2} \times 360 = 140°$



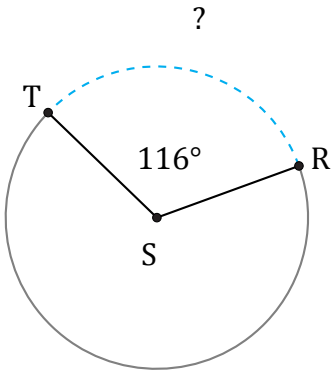
Radio = 50 km

$\angle DEF = \frac{102.97}{50 \times \pi \times 2} \times 360 = 118°$



Radio = 210 cm

$\overset{\frown}{GJ} = \frac{121}{360} \times \pi \times 210 \times 2 = 443.49 \text{ cm}$



Radio = 362 mm

$\overset{\frown}{RT} = \frac{116}{360} \times \pi \times 362 \times 2 = 732.9 \text{ mm}$