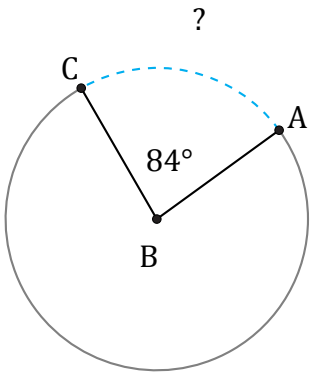
Amplitud y Longitud de Arcos (J)

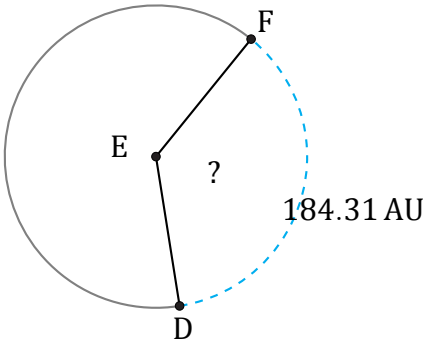
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



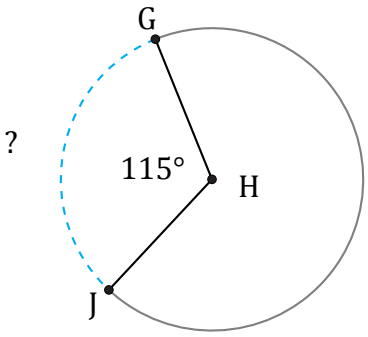
Diámetro = 58 ft

$\overset{\frown}{AC}$ =



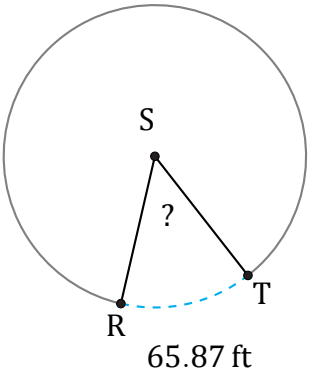
Diámetro = 160 AU

∠DEF =



Diámetro = 20 mi

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



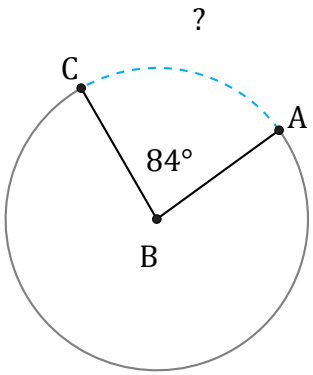
Diámetro = 148 ft

∠RST =

Amplitud y Longitud de Arcos (J) Respuestas

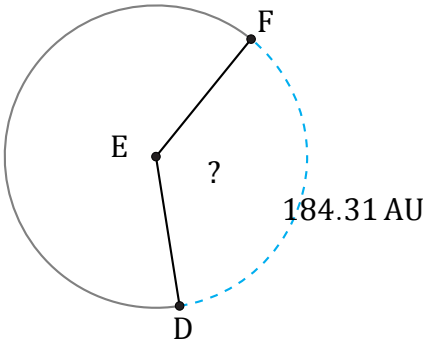
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



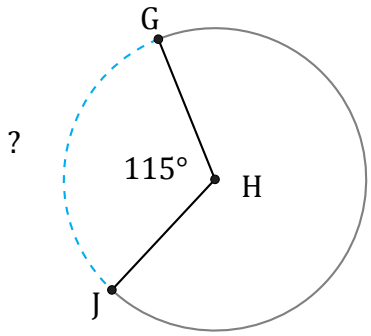
Diámetro = 58 ft

$\overset{\frown}{AC} = \frac{84}{360} \times \pi \times 58 = 42.52 \text{ ft}$



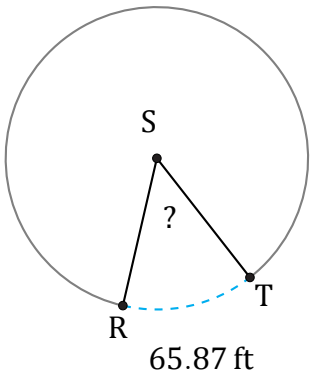
Diámetro = 160 AU

$\angle DEF = \frac{184.31}{160 \times \pi} \times 360 = 132°$



Diámetro = 20 mi

$\overset{\frown}{GJ} = \frac{115}{360} \times \pi \times 20 = 20.07 \text{ mi}$



Diámetro = 148 ft

$\angle RST = \frac{65.87}{148 \times \pi} \times 360 = 51°$