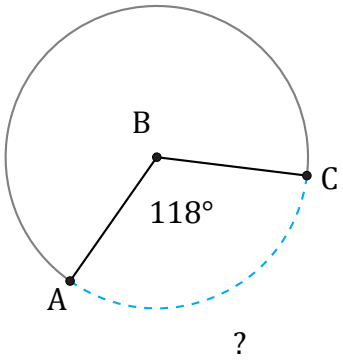
Amplitud y Longitud de Arcos (F)

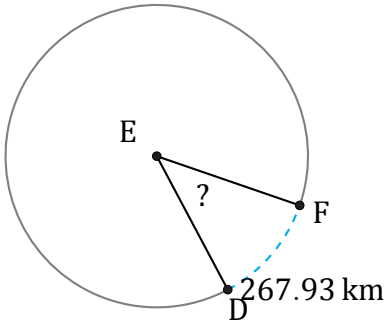
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



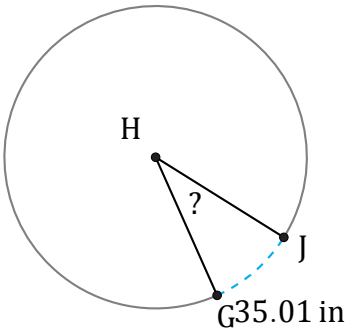
Radio = 147 mm

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



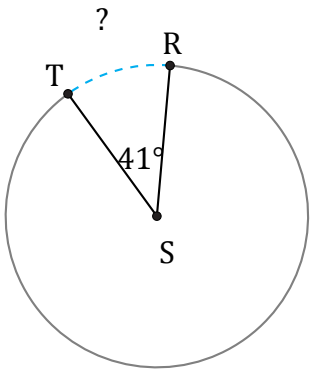
Circunferencia = 2243.1 km

∠DEF =



Diámetro = 118 in

∠GHJ =



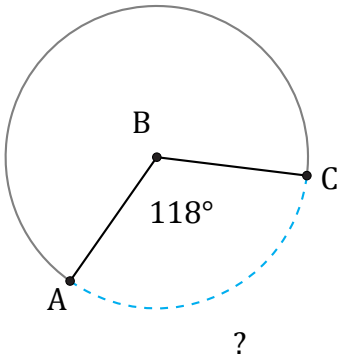
Circunferencia = 483.81 mi

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

Amplitud y Longitud de Arcos (F) Respuestas

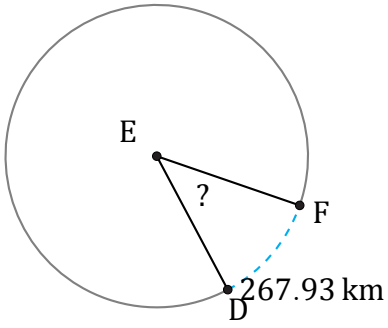
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



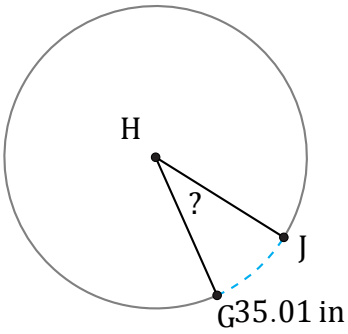
Radio = 147 mm

$\overset{\frown}{AC} = \frac{118}{360} \times \pi \times 147 \times 2 = 302.74$ mm



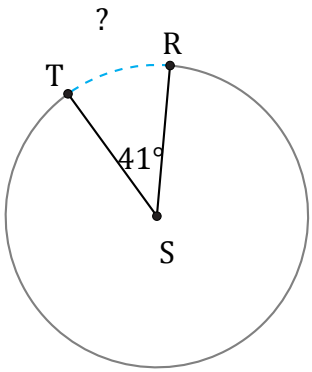
Circunferencia = 2243.1 km

$\angle DEF = \frac{267.93}{2243.1} \times 360 = 43°$



Diámetro = 118 in

$\angle GHJ = \frac{35.01}{118 \times \pi} \times 360 = 34°$



Circunferencia = 483.81 mi

$\overset{\frown}{RT} = \frac{41}{360} \times 483.81 = 55.1$ mi