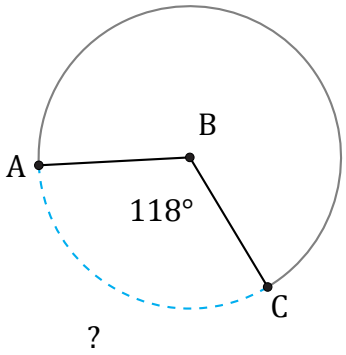
Amplitud y Longitud de Arcos (G)

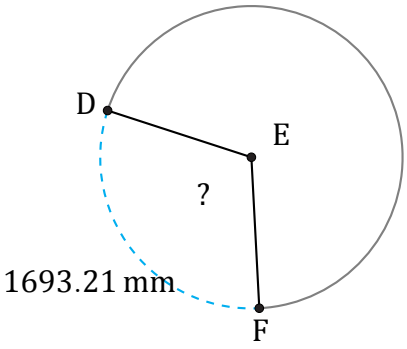
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



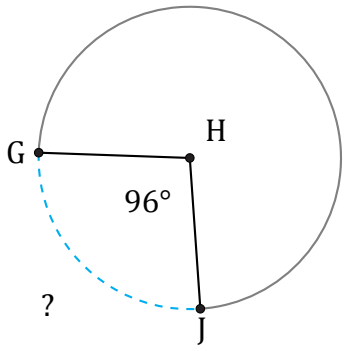
Radio = 706 mi

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



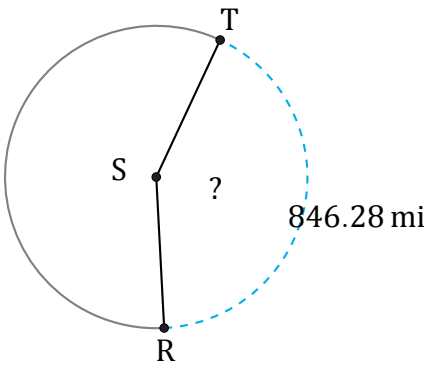
Radio = 874 mm

∠DEF =



Radio = 5 km

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



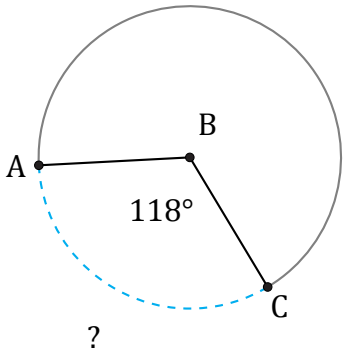
Radio = 319 mi

∠RST =

Amplitud y Longitud de Arcos (G) Respuestas

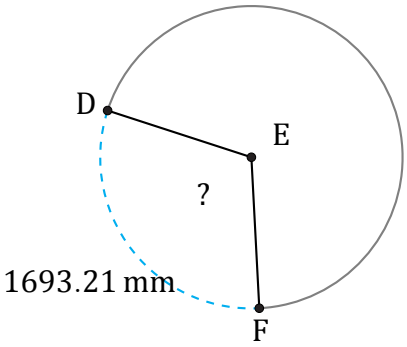
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



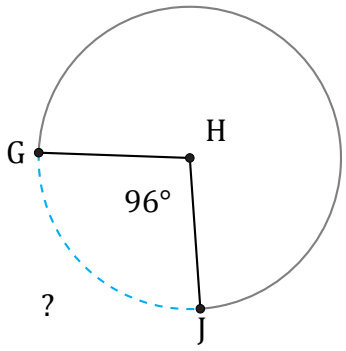
Radio = 706 mi

$\overset{\frown}{AC} = \frac{118}{360} \times \pi \times 706 \times 2 = 1454 \text{ mi}$



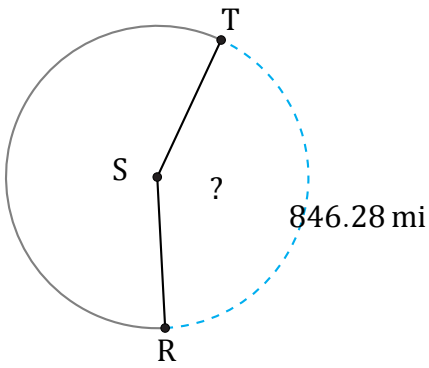
Radio = 874 mm

$\angle DEF = \frac{1693.21}{874 \times \pi \times 2} \times 360 = 111°$



Radio = 5 km

$\overset{\frown}{GJ} = \frac{96}{360} \times \pi \times 5 \times 2 = 8.38 \text{ km}$



Radio = 319 mi

$\angle RST = \frac{846.28}{319 \times \pi \times 2} \times 360 = 152°$