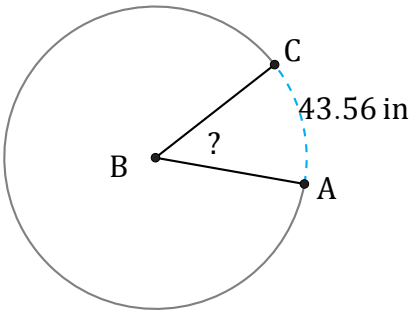
Amplitud y Longitud de Arcos (H)

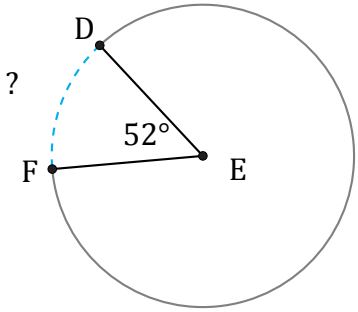
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



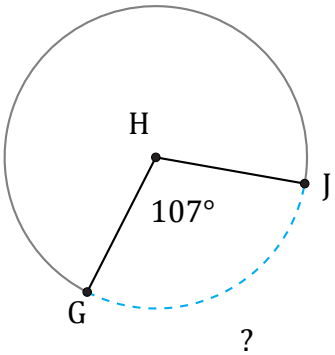
Radio = 52 in

∠ABC =



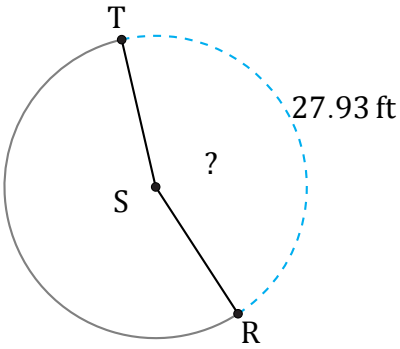
Radio = 1 mi

$\overset{\frown}{DF}$ =



Radio = 65 in

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



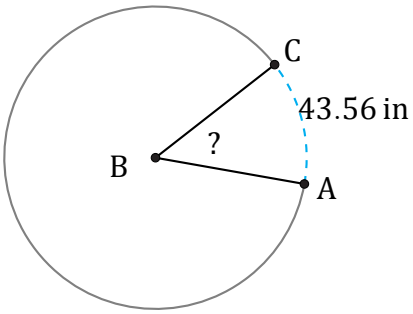
Radio = 10 ft

∠RST =

Amplitud y Longitud de Arcos (H) Respuestas

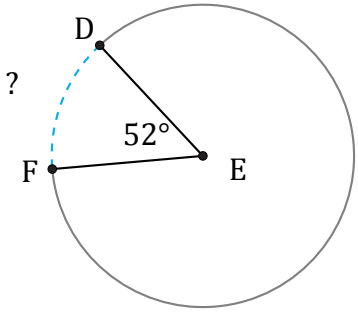
Nombre: _____ Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



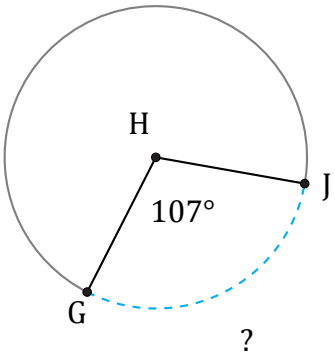
Radio = 52 in

$\angle ABC = \frac{43.56}{52 \times \pi \times 2} \times 360 = 48°$



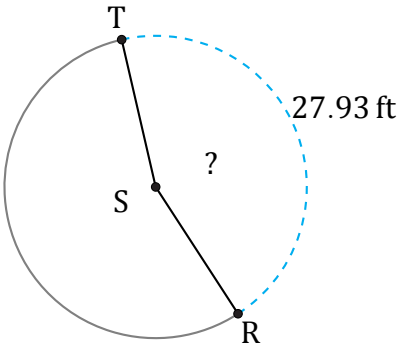
Radio = 1 mi

$\overset{\frown}{DF} = \frac{52}{360} \times \pi \times 1 \times 2 = 0.91 \text{ mi}$



Radio = 65 in

$\overset{\frown}{GJ} = \frac{107}{360} \times \pi \times 65 \times 2 = 121.39 \text{ in}$



Radio = 10 ft

$\angle RST = \frac{27.93}{10 \times \pi \times 2} \times 360 = 160°$