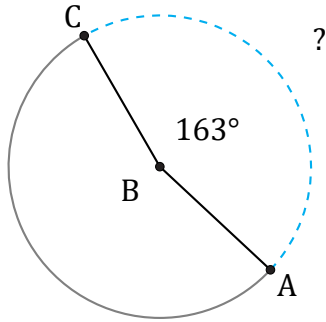


Angles et Longueurs d'un Arc de Cercle (B)

Nom: _____

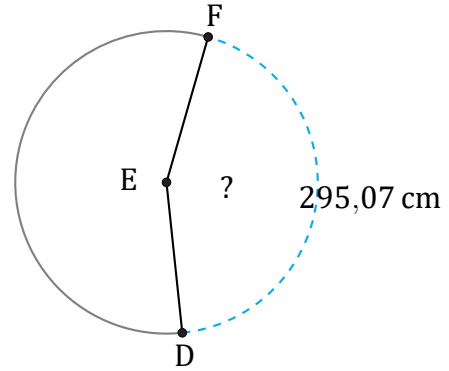
Date: _____

Calculez la longueur de l'arc de cercle et la mesure de l'angle.



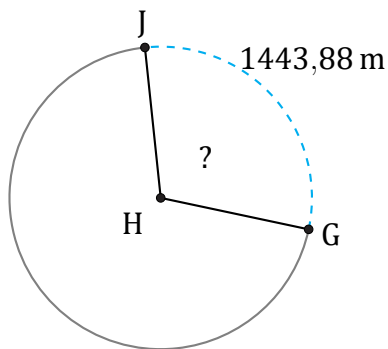
Diamètre = 122 km

$\widehat{AC} =$



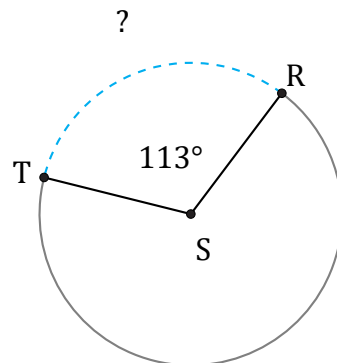
Circonférence = 672,3 cm

$\angle DEF =$



Rayon = 766 m

$\angle GHJ =$



Diamètre = 140 μm

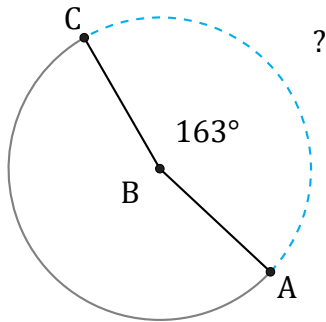
$\widehat{RT} =$

Angles et Longueurs d'un Arc de Cercle (B) Réponses

Nom: _____

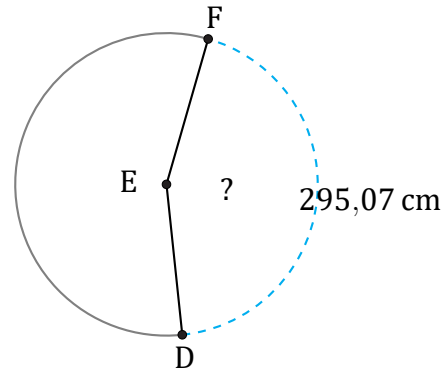
Date: _____

Calculez la longueur de l'arc de cercle et la mesure de l'angle.



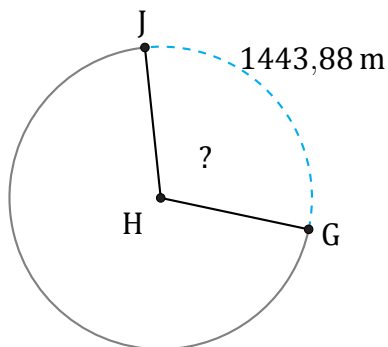
Diamètre = 122 km

$$\widehat{AC} = \frac{163}{360} \times \pi \times 122 = 173,54 \text{ km}$$



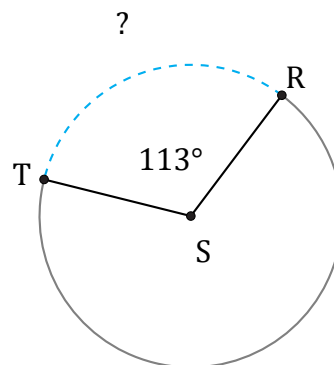
Circonférence = 672,3 cm

$$\angle DEF = \frac{295,07}{672,3} \times 360 = 158^\circ$$



Rayon = 766 m

$$\angle GHJ = \frac{1443,88}{766 \times \pi \times 2} \times 360 = 108^\circ$$



Diamètre = 140 μm

$$\widehat{RT} = \frac{113}{360} \times \pi \times 140 = 138,06 \mu\text{m}$$