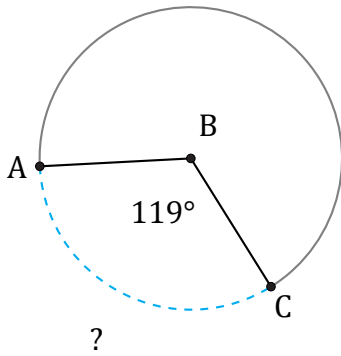


Angles et Longueurs d'un Arc de Cercle (B)

Nom: _____

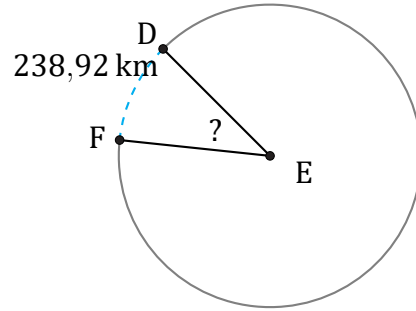
Date: _____

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



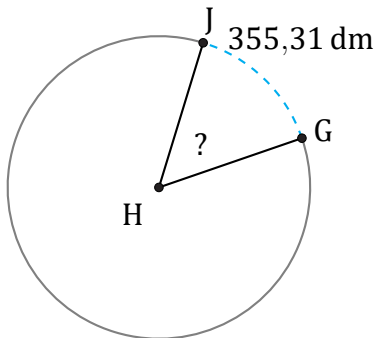
Rayon = 5 cm

$\widehat{AC} =$



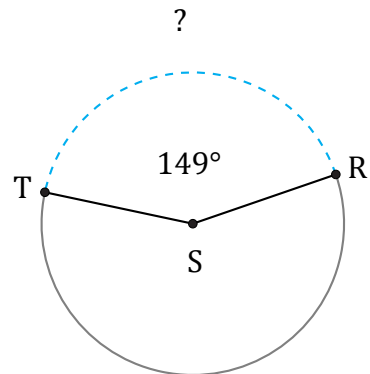
Rayon = 351 km

$\angle DEF =$



Diamètre = 754 dm

$\angle GHJ =$



Diamètre = 1174 m

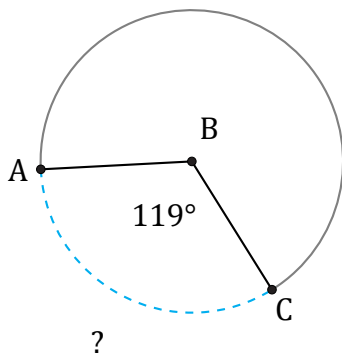
$\widehat{RT} =$

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

Nom: _____

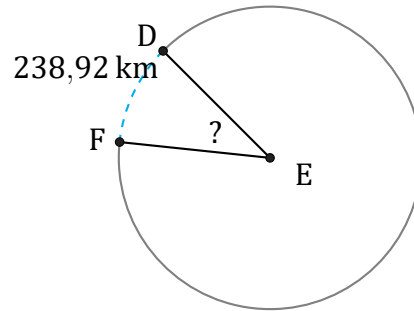
Date: _____

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



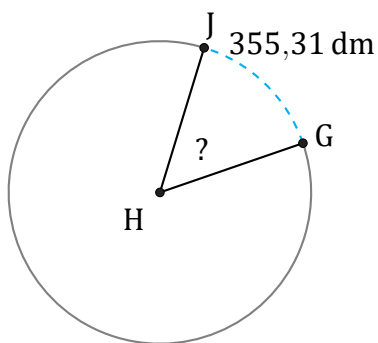
Rayon = 5 cm

$$\widehat{AC} = \frac{119}{360} \times \pi \times 5 \times 2 = 10,38 \text{ cm}$$



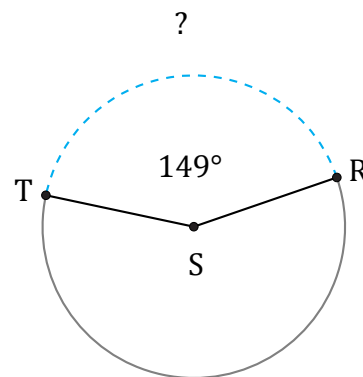
Rayon = 351 km

$$\angle DEF = \frac{238,92}{351 \times \pi \times 2} \times 360 = 39^\circ$$



Diamètre = 754 dm

$$\angle GHJ = \frac{355,31}{754 \times \pi} \times 360 = 54^\circ$$



Diamètre = 1174 m

$$\widehat{RT} = \frac{149}{360} \times \pi \times 1174 = 1526,52 \text{ m}$$