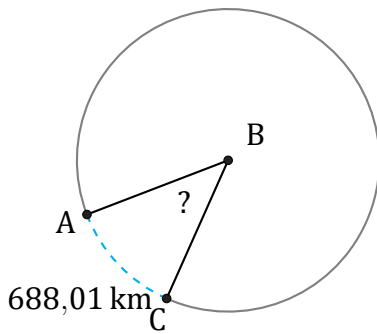


# Angles et Longueurs d'un Arc de Cercle (G)

Nom: \_\_\_\_\_

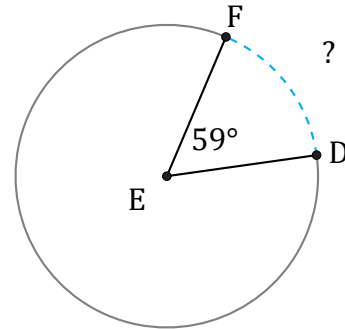
Date: \_\_\_\_\_

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



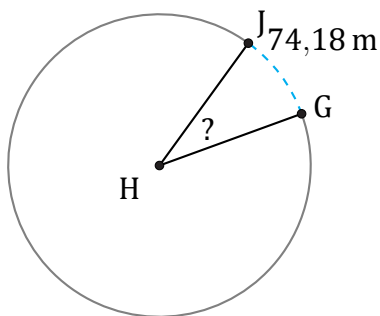
Diamètre = 1752 km

$\angle ABC =$



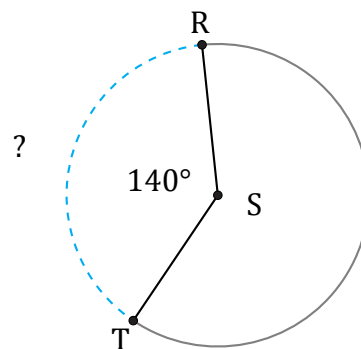
Rayon = 65  $\mu\text{m}$

$\widehat{DF} =$



Rayon = 125 m

$\angle GHJ =$



Diamètre = 36 dm

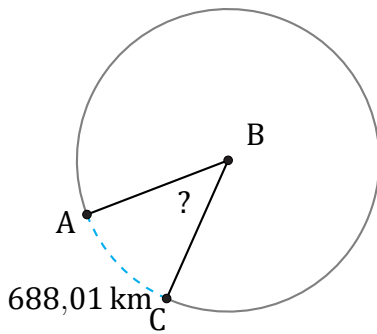
$\widehat{RT} =$

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

Nom: \_\_\_\_\_

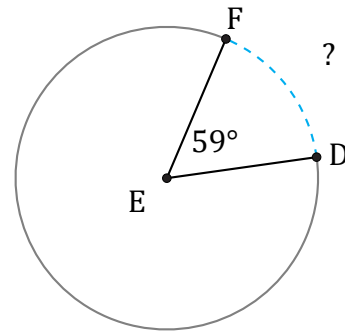
Date: \_\_\_\_\_

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



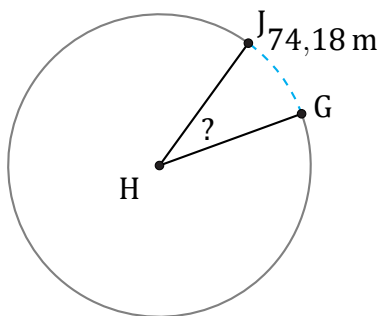
Diamètre = 1752 km

$$\angle ABC = \frac{688,01}{1752 \times \pi} \times 360 = 45^\circ$$



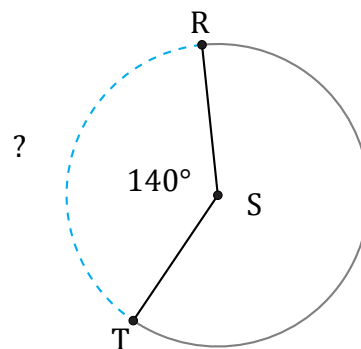
Rayon = 65 μm

$$\widehat{DF} = \frac{59}{360} \times \pi \times 65 \times 2 = 66,93 \mu\text{m}$$



Rayon = 125 m

$$\angle GHJ = \frac{74,18}{125 \times \pi \times 2} \times 360 = 34^\circ$$



Diamètre = 36 dm

$$\widehat{RT} = \frac{140}{360} \times \pi \times 36 = 43,98 \text{ dm}$$