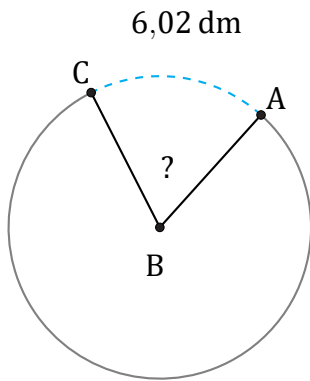


# Angles et Longueurs d'un Arc de Cercle (I)

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

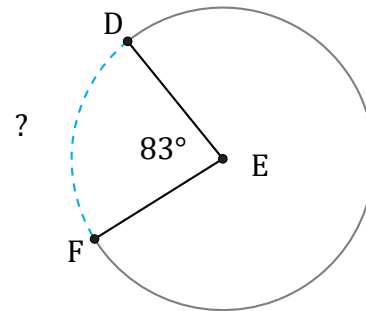
Date: \_\_\_\_\_

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



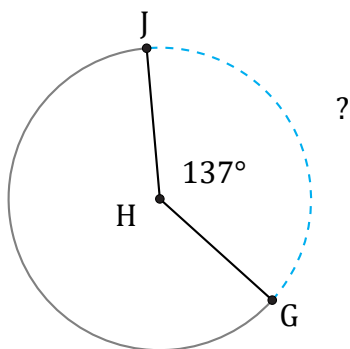
Rayon = 5 dm

$\angle ABC =$



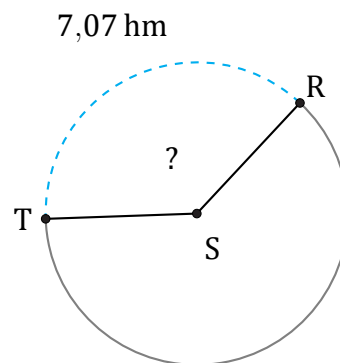
Diamètre = 186 dm

$\widehat{DF} =$



Diamètre = 1710 m

$\widehat{GJ} =$



Rayon = 3 hm

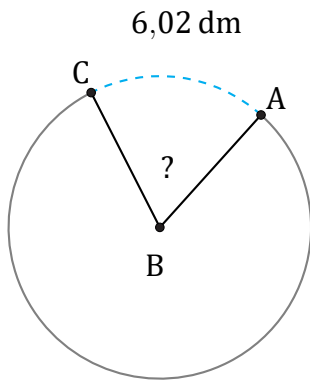
$\angle RST =$

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

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

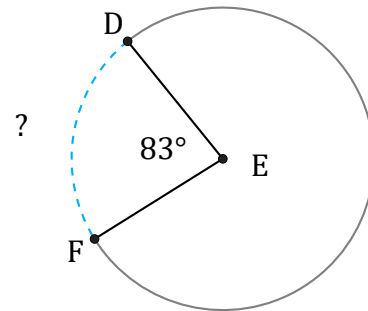
Date: \_\_\_\_\_

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



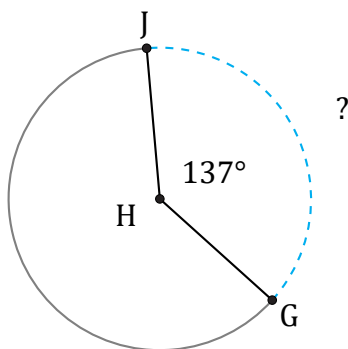
Rayon = 5 dm

$$\angle ABC = \frac{6,02}{5 \times \pi \times 2} \times 360 = 69^\circ$$



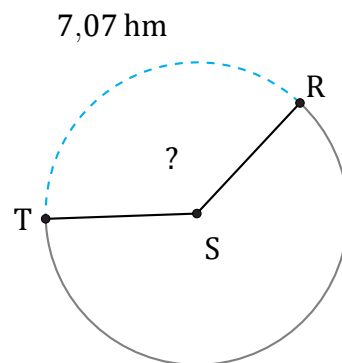
Diamètre = 186 dm

$$\widehat{DF} = \frac{83}{360} \times \pi \times 186 = 134,72 \text{ dm}$$



Diamètre = 1710 m

$$\widehat{GJ} = \frac{137}{360} \times \pi \times 1710 = 2044,39 \text{ m}$$



Rayon = 3 hm

$$\angle RST = \frac{7,07}{3 \times \pi \times 2} \times 360 = 135^\circ$$