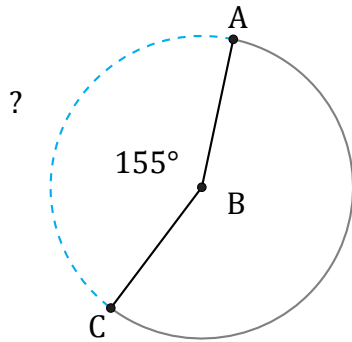


# Angles et Longueurs d'un Arc de Cercle (I)

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

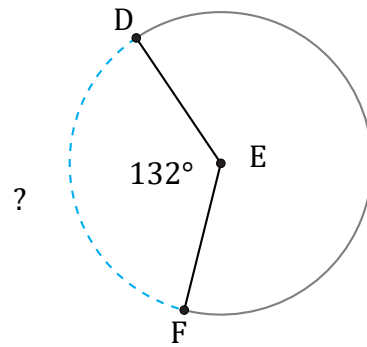
Date: \_\_\_\_\_

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



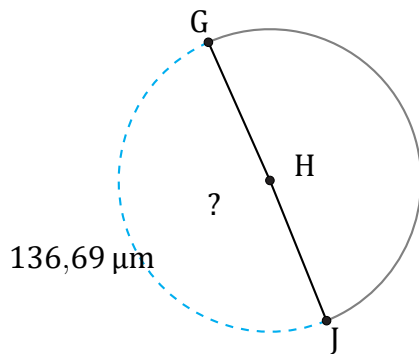
Rayon =  $958 \mu\text{m}$

$\widehat{AC} =$



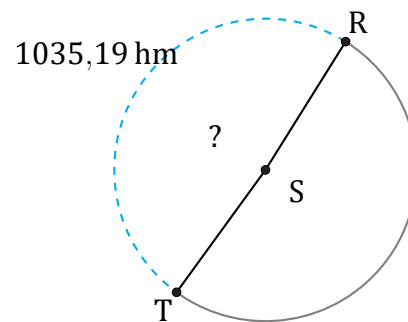
Rayon =  $2 \text{ m}$

$\widehat{DF} =$



Rayon =  $44 \mu\text{m}$

$\angle\text{GHJ} =$



Rayon =  $337 \text{ hm}$

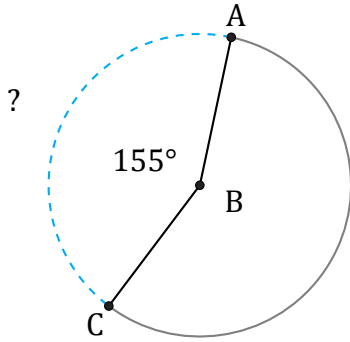
$\angle\text{RST} =$

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

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

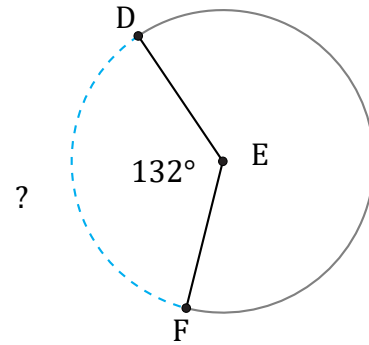
Date: \_\_\_\_\_

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



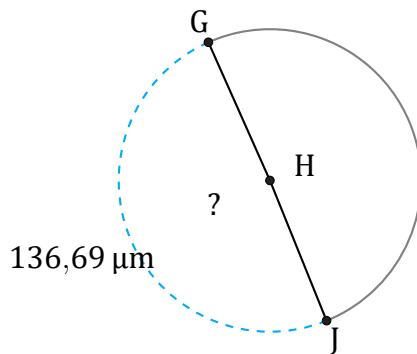
Rayon = 958  $\mu\text{m}$

$$\widehat{AC} = \frac{155}{360} \times \pi \times 958 \times 2 = 2591,64 \mu\text{m}$$



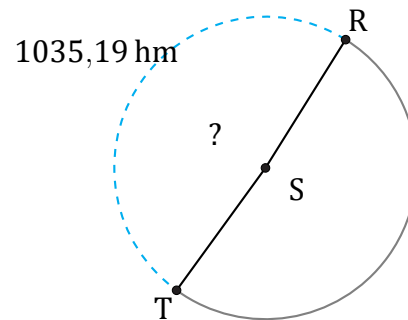
Rayon = 2 m

$$\widehat{DF} = \frac{132}{360} \times \pi \times 2 \times 2 = 4,61 \text{ m}$$



Rayon = 44  $\mu\text{m}$

$$\angle GHJ = \frac{136,69}{44 \times \pi \times 2} \times 360 = 178^\circ$$



Rayon = 337 hm

$$\angle RST = \frac{1035,19}{337 \times \pi \times 2} \times 360 = 176^\circ$$