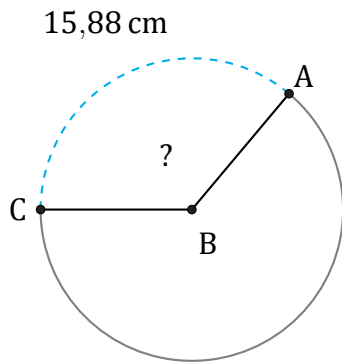


# Angles et Longueurs d'un Arc de Cercle (H)

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

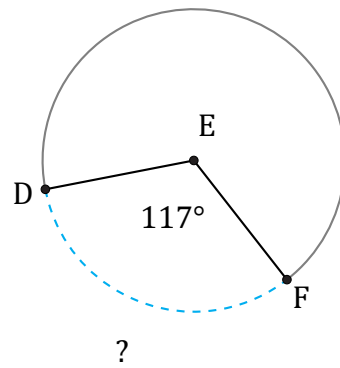
Date: \_\_\_\_\_

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



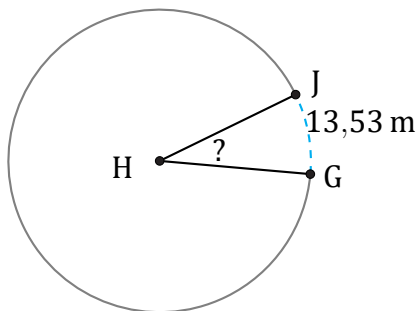
Rayon = 7 cm

$\angle ABC =$



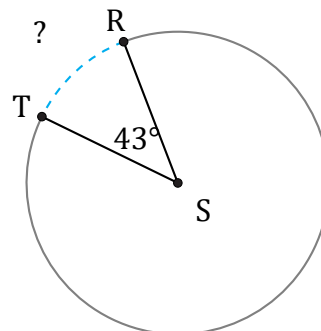
Rayon = 67 po

$\widehat{DF} =$



Rayon = 25 m

$\angle GHJ =$



Rayon = 8  $\mu\text{m}$

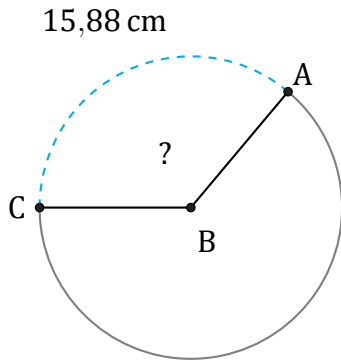
$\widehat{RT} =$

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

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

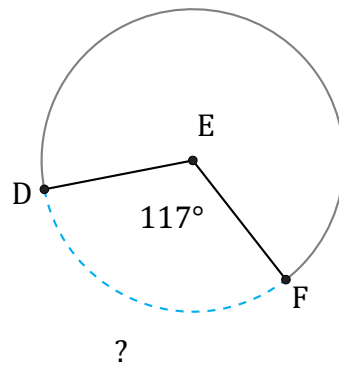
Date: \_\_\_\_\_

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



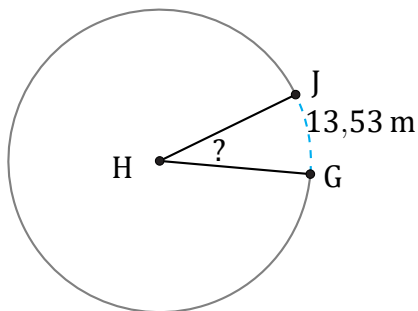
Rayon = 7 cm

$$\angle ABC = \frac{15,88}{7 \times \pi \times 2} \times 360 = 130^\circ$$



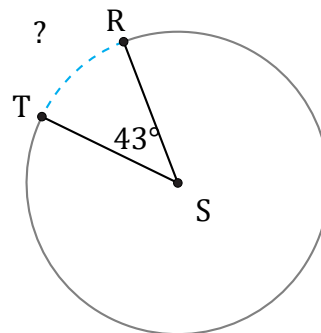
Rayon = 67 po

$$\widehat{DF} = \frac{117}{360} \times \pi \times 67 \times 2 = 136,82 \text{ po}$$



Rayon = 25 m

$$\angle GHJ = \frac{13,53}{25 \times \pi \times 2} \times 360 = 31^\circ$$



Rayon = 8 μm

$$\widehat{RT} = \frac{43}{360} \times \pi \times 8 \times 2 = 6 \mu\text{m}$$