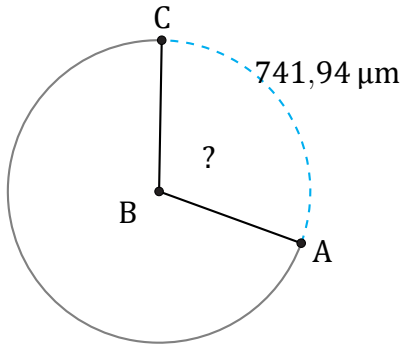


Angles et Longueurs d'un Arc de Cercle (C)

Nom: _____

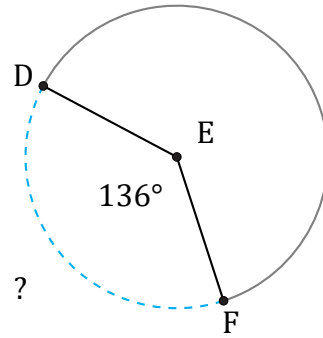
Date: _____

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



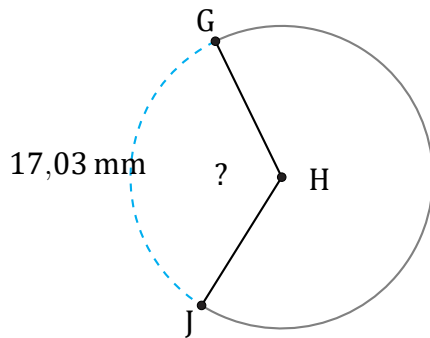
Rayon = 390 μm

$\angle ABC =$



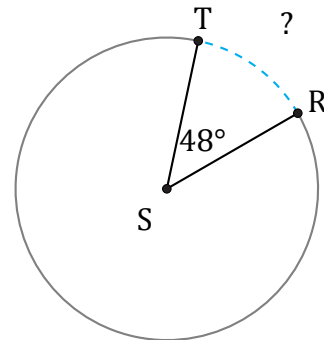
Rayon = 74 km

$\widehat{DF} =$



Rayon = 8 mm

$\angle GHJ =$



Rayon = 207 hm

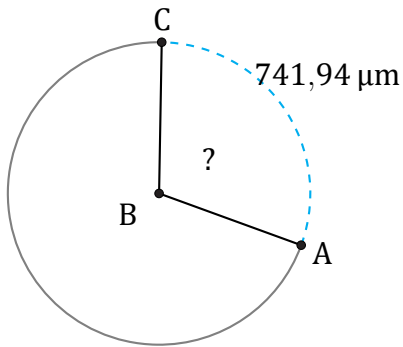
$\widehat{RT} =$

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

Nom: _____

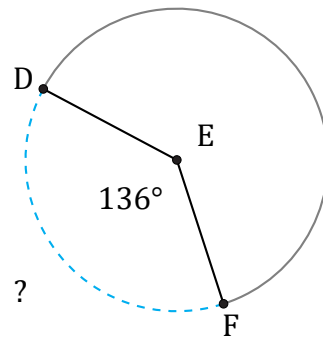
Date: _____

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



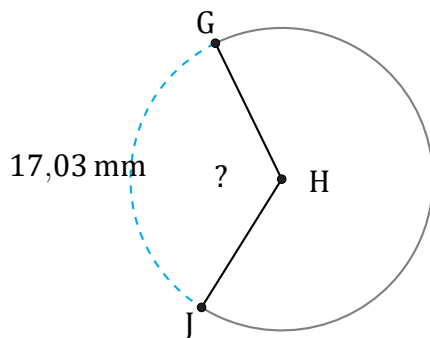
Rayon = 390 μm

$$\angle ABC = \frac{741,94}{390 \times \pi \times 2} \times 360 = 109^\circ$$



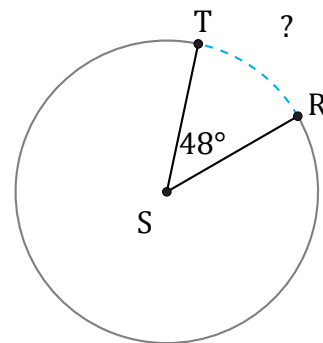
Rayon = 74 km

$$\widehat{DF} = \frac{136}{360} \times \pi \times 74 \times 2 = 175,65 \text{ km}$$



Rayon = 8 mm

$$\angle GHJ = \frac{17,03}{8 \times \pi \times 2} \times 360 = 122^\circ$$



Rayon = 207 hm

$$\widehat{RT} = \frac{48}{360} \times \pi \times 207 \times 2 = 173,42 \text{ hm}$$