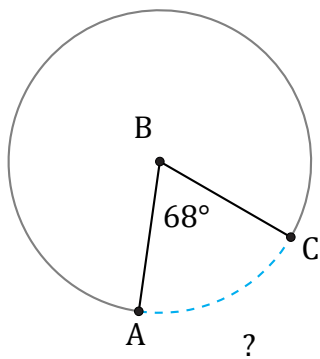


Angles et Longueurs d'un Arc de Cercle (D)

Nom: _____

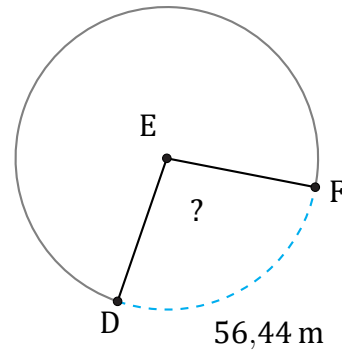
Date: _____

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



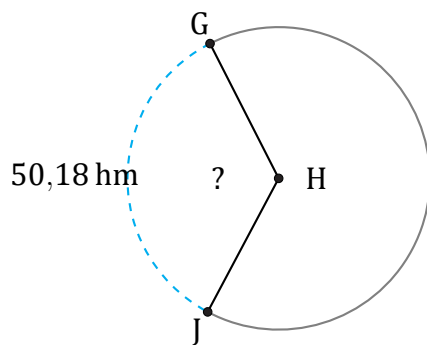
Rayon = 470 mm

$\widehat{AC} =$



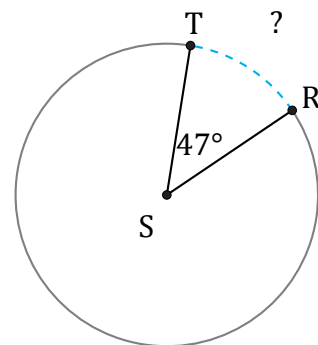
Rayon = 33 m

$\angle DEF =$



Rayon = 23 hm

$\angle GHJ =$



Rayon = 3 mm

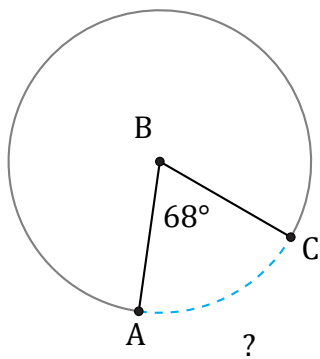
$\widehat{RT} =$

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

Nom: _____

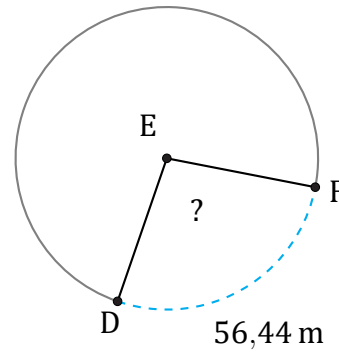
Date: _____

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



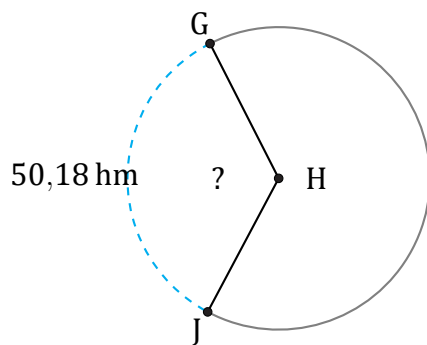
Rayon = 470 mm

$$\widehat{AC} = \frac{68}{360} \times \pi \times 470 \times 2 = 557,81 \text{ mm}$$



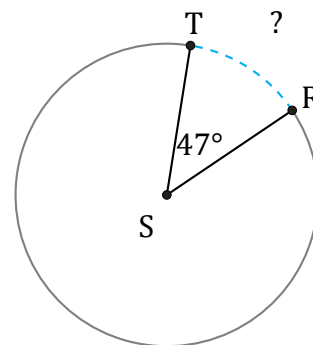
Rayon = 33 m

$$\angle DEF = \frac{56,44}{33 \times \pi \times 2} \times 360 = 98^\circ$$



Rayon = 23 hm

$$\angle GHJ = \frac{50,18}{23 \times \pi \times 2} \times 360 = 125^\circ$$



Rayon = 3 mm

$$\widehat{RT} = \frac{47}{360} \times \pi \times 3 \times 2 = 2,46 \text{ mm}$$