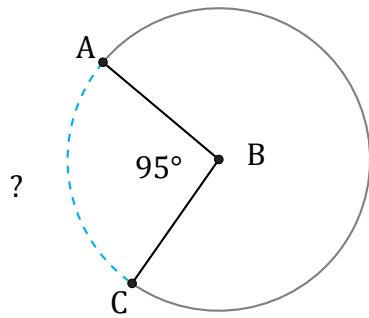


Angles et Longueurs d'un Arc de Cercle (G)

Nom: _____

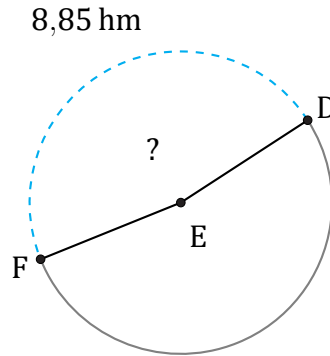
Date: _____

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



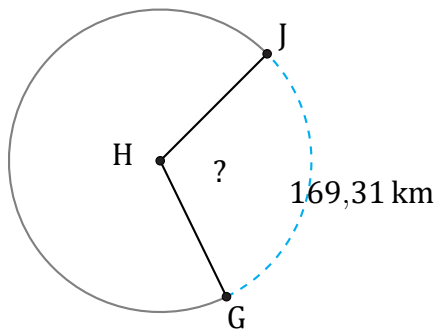
Rayon = 30 km

$\widehat{AC} =$



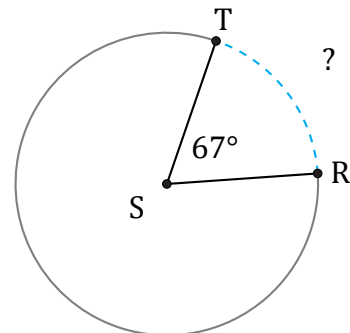
Rayon = 3 hm

$\angle DEF =$



Rayon = 89 km

$\angle GHJ =$



Rayon = 5 cm

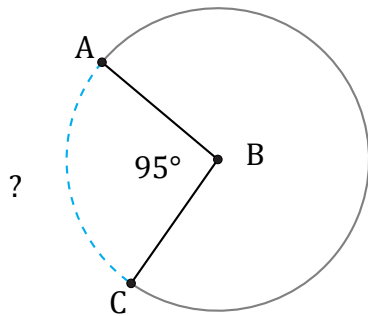
$\widehat{RT} =$

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

Nom: _____

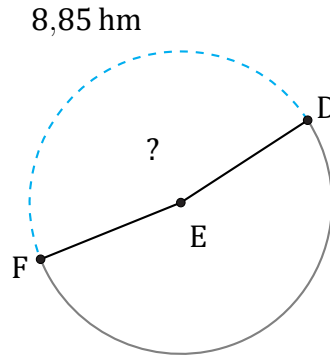
Date: _____

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



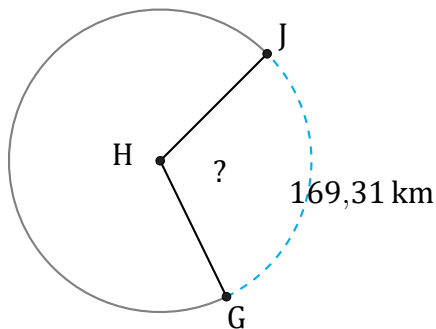
Rayon = 30 km

$$\widehat{AC} = \frac{95}{360} \times \pi \times 30 \times 2 = 49,74 \text{ km}$$



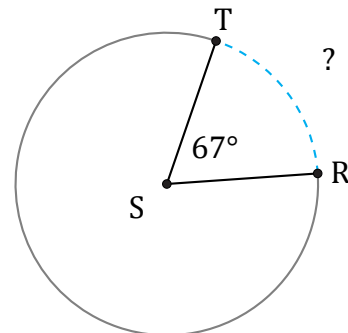
Rayon = 3 hm

$$\angle DEF = \frac{8,85}{3 \times \pi \times 2} \times 360 = 169^\circ$$



Rayon = 89 km

$$\angle GHJ = \frac{169,31}{89 \times \pi \times 2} \times 360 = 109^\circ$$



Rayon = 5 cm

$$\widehat{RT} = \frac{67}{360} \times \pi \times 5 \times 2 = 5,85 \text{ cm}$$