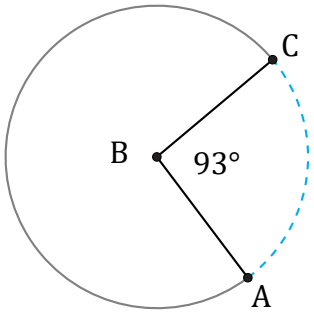
Angles et Longueurs d'un Arc de Cercle (J)

Nom: _____ Date: _____

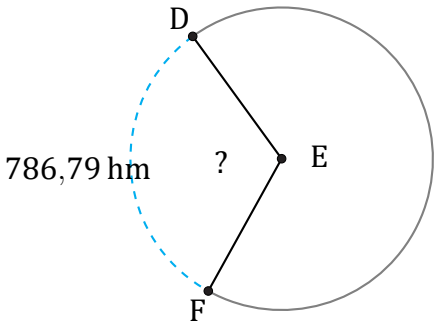
Calculez la longueur de l'arc de cercle et la mesure de l'angle.



?

Rayon = 48 hm

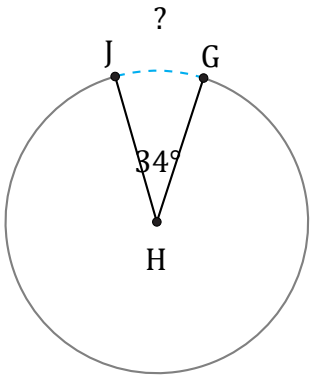
$\overset{\frown}{AC}$ =



Rayon = 392 hm

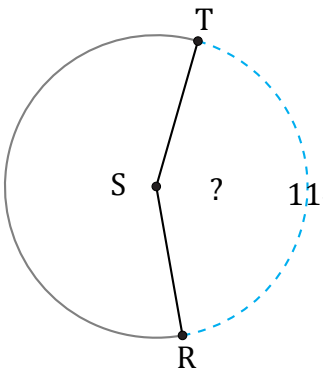
∠DEF =

?



Rayon = 2 km

$\overset{\frown}{GJ}$ =



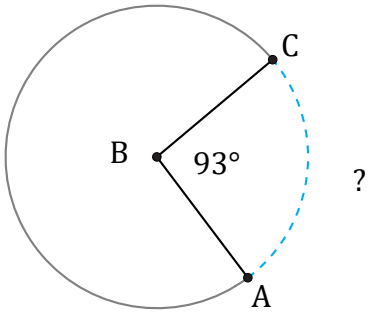
Rayon = 427 m

∠RST =

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

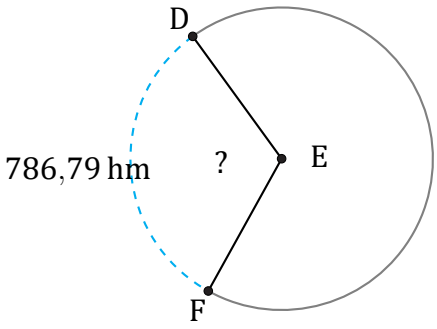
Nom: _____ Date: _____

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



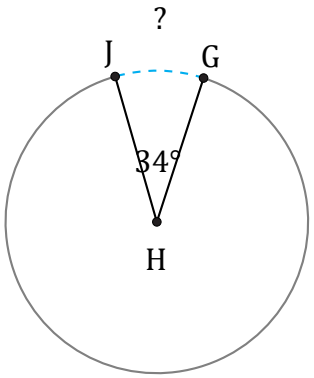
Rayon = 48 hm

$\overset{\frown}{AC} = \frac{93}{360} \times \pi \times 48 \times 2 = 77{,}91 \text{ hm}$



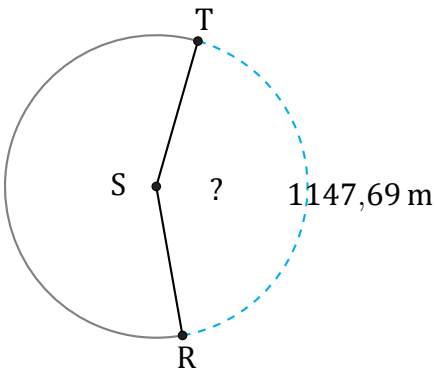
Rayon = 392 hm

$\angle DEF = \frac{786{,}79}{392 \times \pi \times 2} \times 360 = 115°$



Rayon = 2 km

$\overset{\frown}{GJ} = \frac{34}{360} \times \pi \times 2 \times 2 = 1{,}19 \text{ km}$



Rayon = 427 m

$\angle RST = \frac{1147{,}69}{427 \times \pi \times 2} \times 360 = 154°$