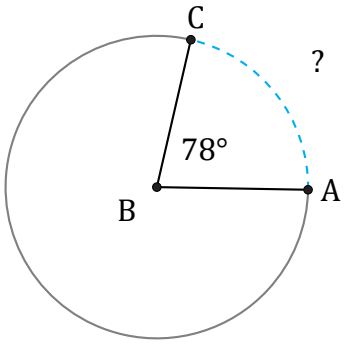
Angles et Longueurs d'un Arc de Cercle (I)

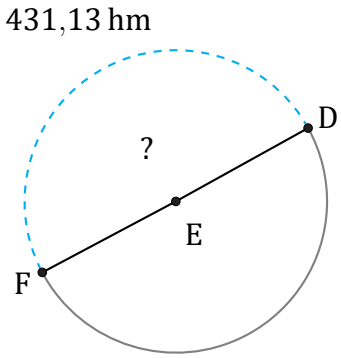
Nom: _____ Date: _____

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



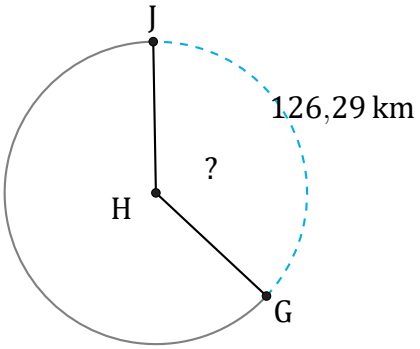
Circonférence = 5868,5 dm

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



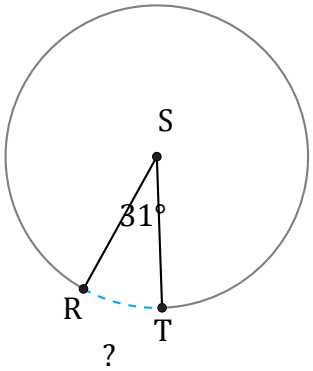
Circonférence = 867,08 hm

∠DEF =



Circonférence = 339,29 km

∠GHJ =



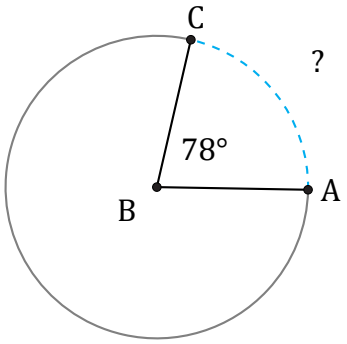
Circonférence = 18,85 dm

$\overset{\frown}{RT}$ =

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

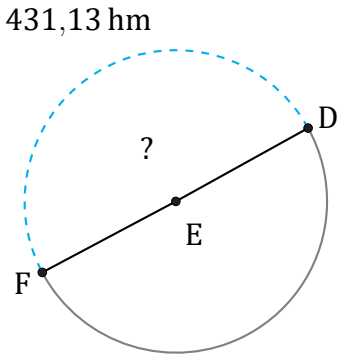
Nom: _____ Date: _____

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



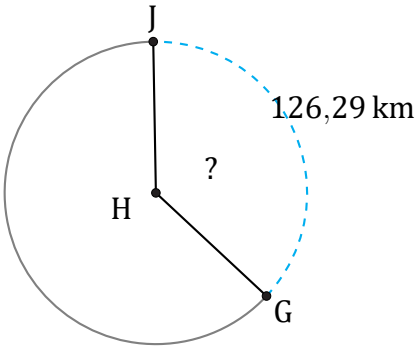
Circonférence = 5868,5 dm

$\overset{\frown}{AC} = \frac{78}{360} \times 5868{,}5 = 1271{,}51$ dm



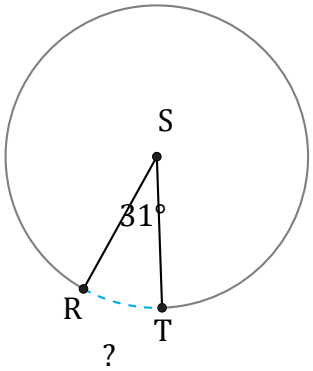
Circonférence = 867,08 hm

$\angle DEF = \frac{431{,}13}{867{,}08} \times 360 = 179°$



Circonférence = 339,29 km

$\angle GHJ = \frac{126{,}29}{339{,}29} \times 360 = 134°$



Circonférence = 18,85 dm

$\overset{\frown}{RT} = \frac{31}{360} \times 18{,}85 = 1{,}62$ dm