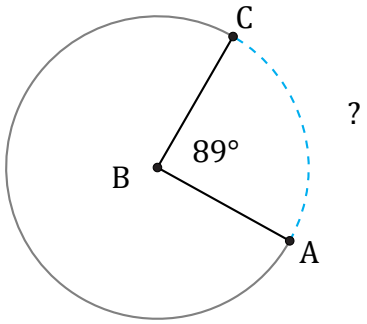
Angles et Longueurs d'un Arc de Cercle (E)

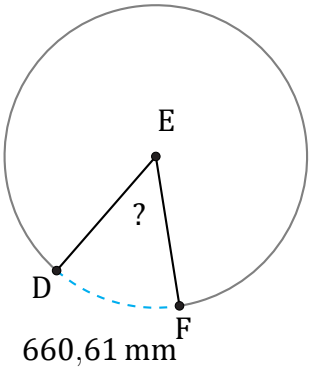
Nom: _____ Date: _____

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



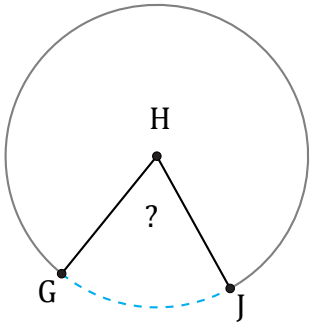
Diamètre = 22 m

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



Rayon = 757 mm

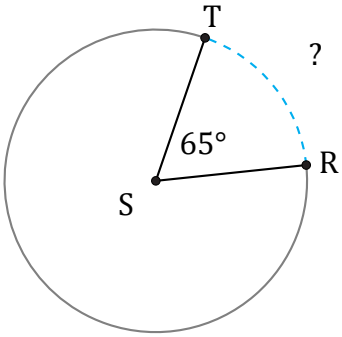
$\angle DEF$ =



10,68 km

Rayon = 9 km

$\angle GHJ$ =



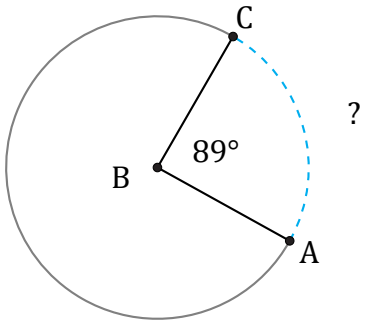
Diamètre = 740 dm

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

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

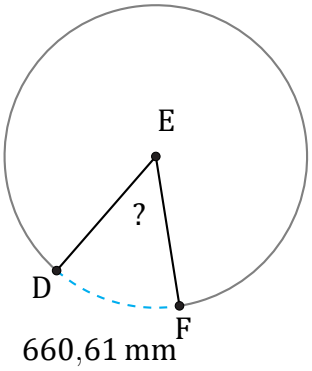
Nom: _____ Date: _____

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



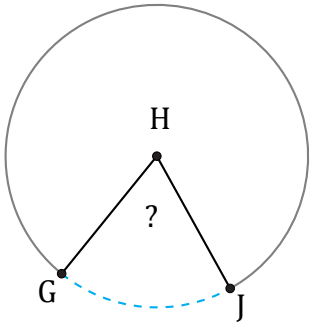
Diamètre = 22 m

$\overset{\frown}{AC} = \frac{89}{360} \times \pi \times 22 = 17{,}09\text{ m}$



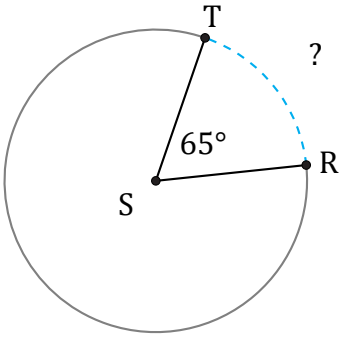
Rayon = 757 mm

$\angle DEF = \frac{660{,}61}{757 \times \pi \times 2} \times 360 = 50°$



Rayon = 9 km

$\angle GHJ = \frac{10{,}68}{9 \times \pi \times 2} \times 360 = 68°$



Diamètre = 740 dm

$\overset{\frown}{RT} = \frac{65}{360} \times \pi \times 740 = 419{,}75\text{ dm}$