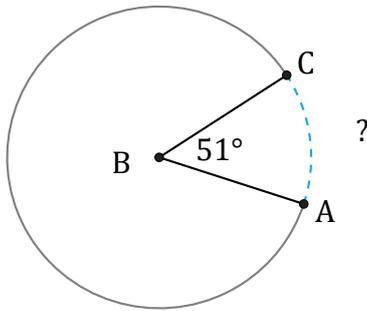


# Angles et Longueurs d'un Arc de Cercle (B)

Nom: \_\_\_\_\_

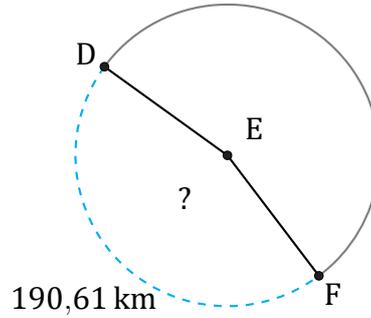
Date: \_\_\_\_\_

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



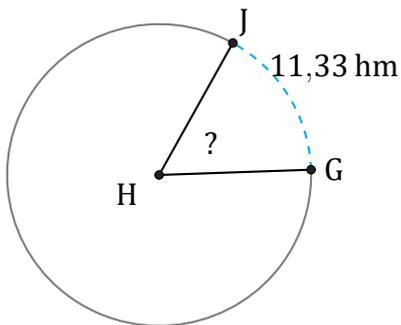
Circonférence = 4322,83 hm

$\widehat{AC} =$



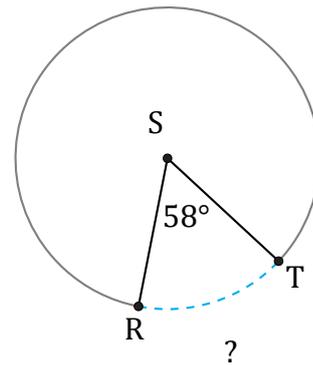
Circonférence = 420,97 km

$\angle DEF =$



Circonférence = 69,12 hm

$\angle GHJ =$



Circonférence = 490,09 km

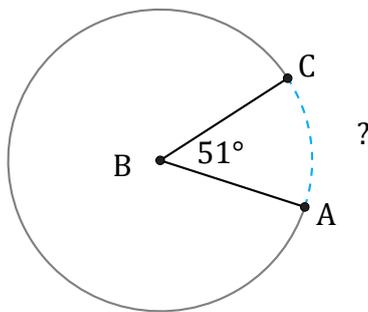
$\widehat{RT} =$

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

Nom: \_\_\_\_\_

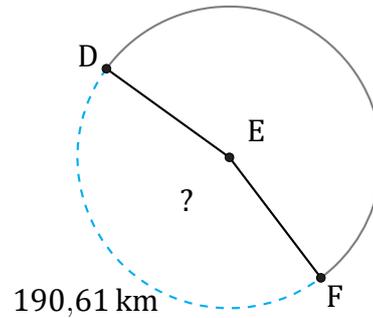
Date: \_\_\_\_\_

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



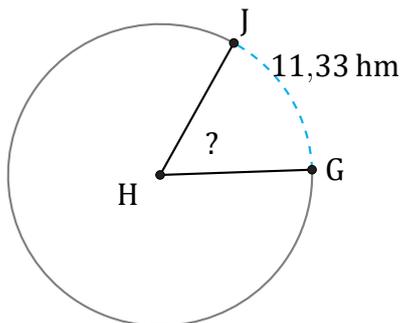
Circonférence = 4322,83 hm

$$\widehat{AC} = \frac{51}{360} \times 4322,83 = 612,4 \text{ hm}$$



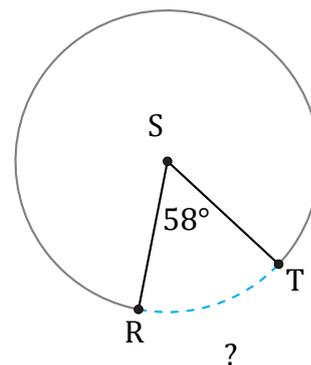
Circonférence = 420,97 km

$$\angle DEF = \frac{190,61}{420,97} \times 360 = 163^\circ$$



Circonférence = 69,12 hm

$$\angle GHJ = \frac{11,33}{69,12} \times 360 = 59^\circ$$



Circonférence = 490,09 km

$$\widehat{RT} = \frac{58}{360} \times 490,09 = 78,96 \text{ km}$$