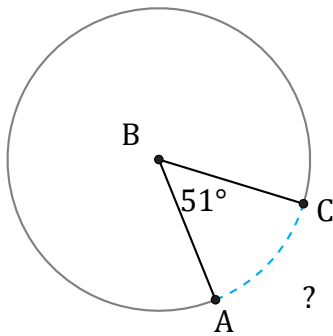


# Angles et Longueurs d'un Arc de Cercle (J)

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

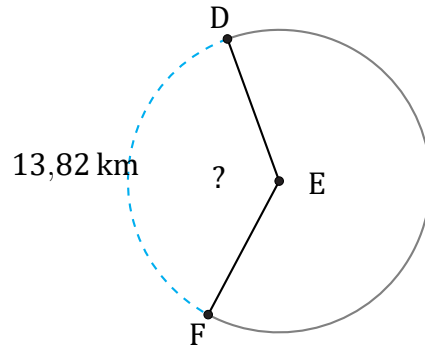
Date: \_\_\_\_\_

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



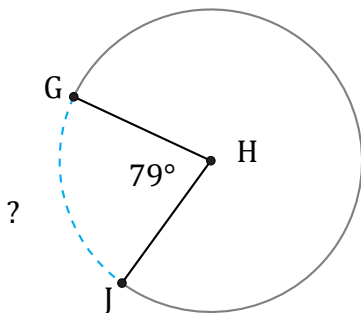
Rayon = 8 mm

$\widehat{AC} =$



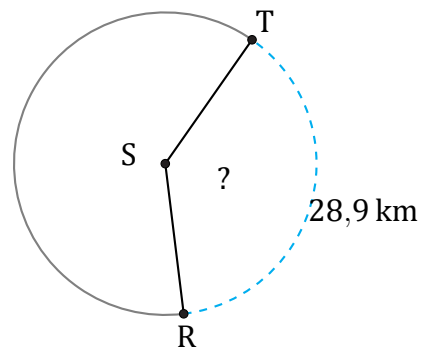
Diamètre = 12 km

$\angle DEF =$



Diamètre = 778 hm

$\widehat{GJ} =$



Rayon = 12 km

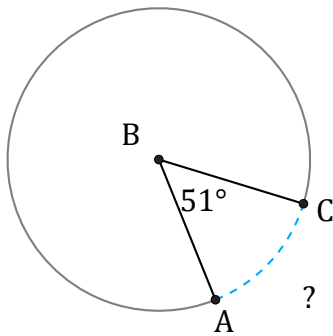
$\angle RST =$

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

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

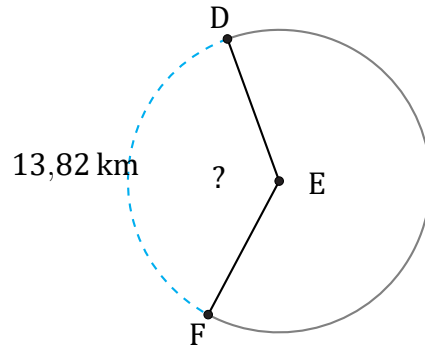
Date: \_\_\_\_\_

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



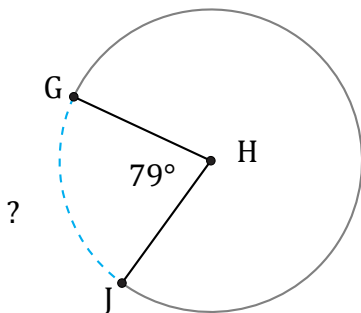
Rayon = 8 mm

$$\widehat{AC} = \frac{51}{360} \times \pi \times 8 \times 2 = 7,12 \text{ mm}$$



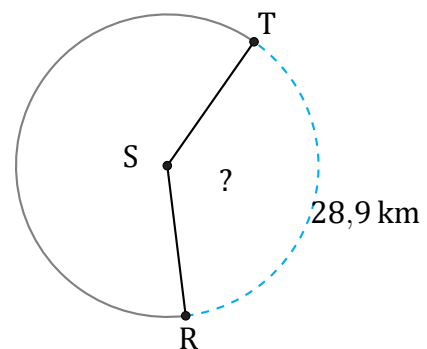
Diamètre = 12 km

$$\angle DEF = \frac{13,82}{12 \times \pi} \times 360 = 132^\circ$$



Diamètre = 778 hm

$$\widehat{GJ} = \frac{79}{360} \times \pi \times 778 = 536,36 \text{ hm}$$



Rayon = 12 km

$$\angle RST = \frac{28,9}{12 \times \pi \times 2} \times 360 = 138^\circ$$