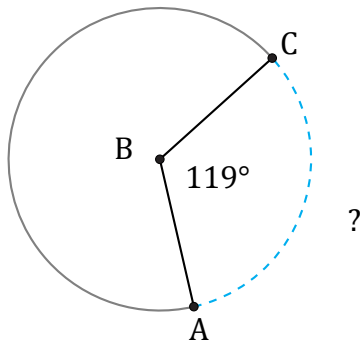


# Angles et Longueurs d'un Arc de Cercle (I)

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

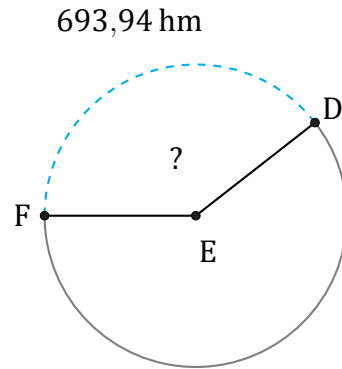
Date: \_\_\_\_\_

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



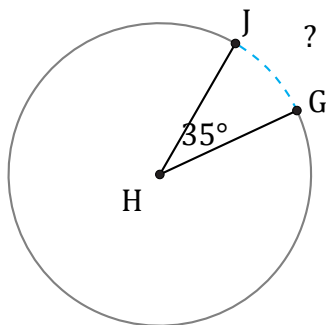
Diamètre = 128 cm

$\widehat{AC} =$



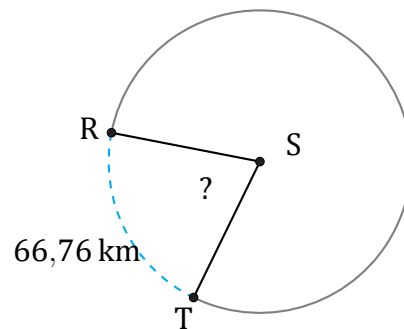
Diamètre = 560 hm

$\angle DEF =$



Diamètre = 14 hm

$\widehat{GJ} =$



Diamètre = 102 km

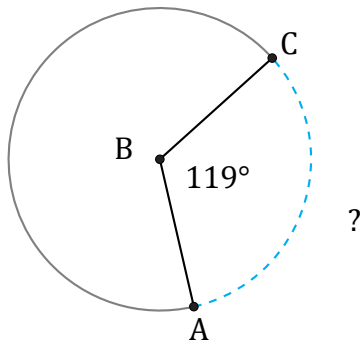
$\angle RST =$

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

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

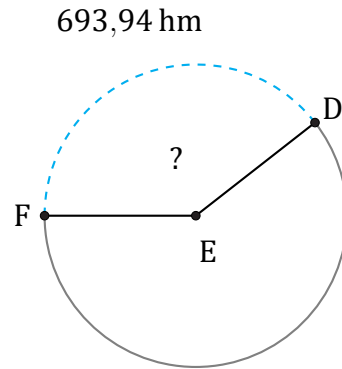
Date: \_\_\_\_\_

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



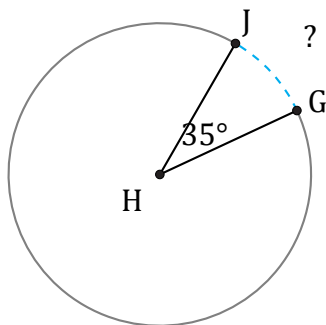
Diamètre = 128 cm

$$\widehat{AC} = \frac{119}{360} \times \pi \times 128 = 132,92 \text{ cm}$$



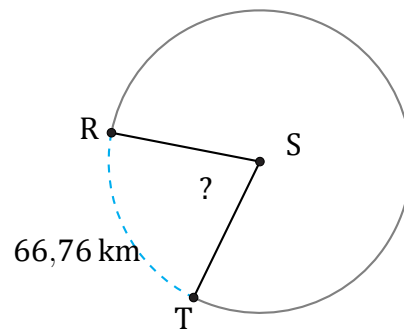
Diamètre = 560 hm

$$\angle DEF = \frac{693,94}{560 \times \pi} \times 360 = 142^\circ$$



Diamètre = 14 hm

$$\widehat{GJ} = \frac{35}{360} \times \pi \times 14 = 4,28 \text{ hm}$$



Diamètre = 102 km

$$\angle RST = \frac{66,76}{102 \times \pi} \times 360 = 75^\circ$$