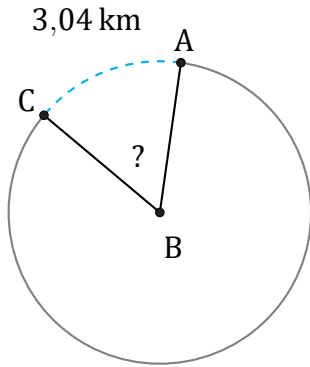


Angles et Longueurs d'un Arc de Cercle (F)

Nom: _____

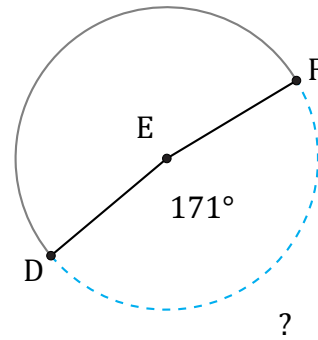
Date: _____

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



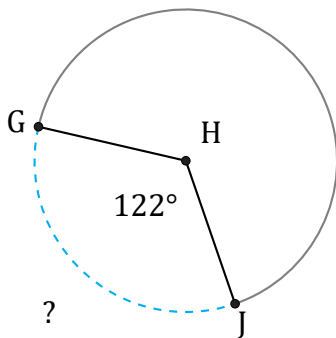
Diamètre = 6 km

$\angle ABC =$



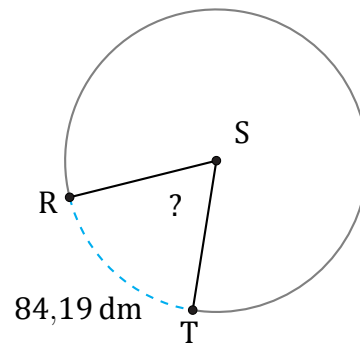
Circonférence = 634,6 mm

$\widehat{DF} =$



Circonférence = 56,55 po

$\widehat{GJ} =$



Rayon = 72 dm

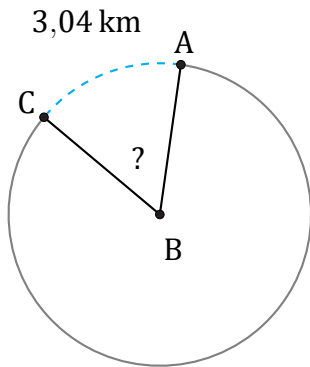
$\angle RST =$

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

Nom: _____

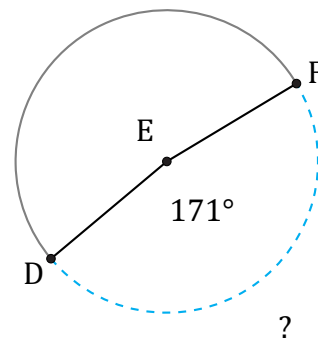
Date: _____

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



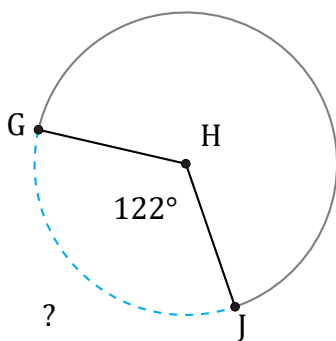
Diamètre = 6 km

$$\angle ABC = \frac{3,04}{6 \times \pi} \times 360 = 58,1^\circ$$



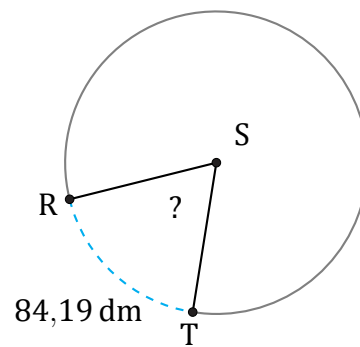
Circonférence = 634,6 mm

$$\widehat{DF} = \frac{171}{360} \times 634,6 = 301,44 \text{ mm}$$



Circonférence = 56,55 po

$$\widehat{GJ} = \frac{122}{360} \times 56,55 = 19,16 \text{ po}$$



Rayon = 72 dm

$$\angle RST = \frac{84,19}{72 \times \pi \times 2} \times 360 = 67^\circ$$