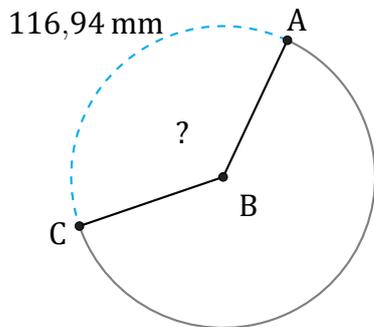


# Angles et Longueurs d'un Arc de Cercle (G)

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

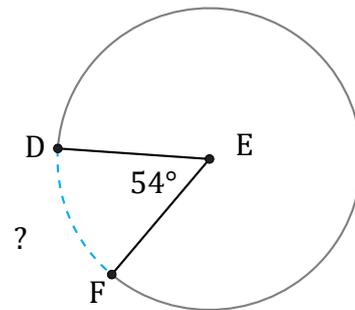
Date: \_\_\_\_\_

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



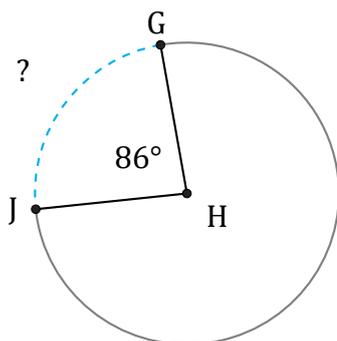
Circonférence = 314,16 mm

$\angle ABC =$



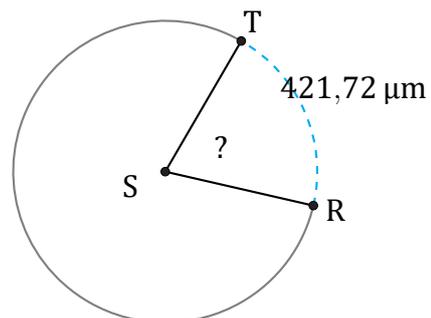
Circonférence = 640,88  $\mu\text{m}$

$\widehat{DF} =$



Circonférence = 18,85 cm

$\widehat{Gj} =$



Circonférence = 2079,73  $\mu\text{m}$

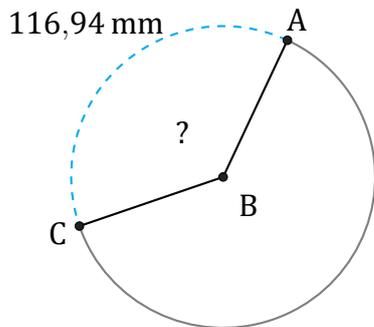
$\angle RST =$

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

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

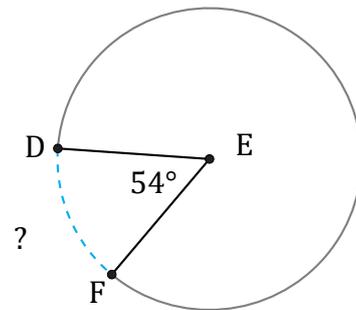
Date: \_\_\_\_\_

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



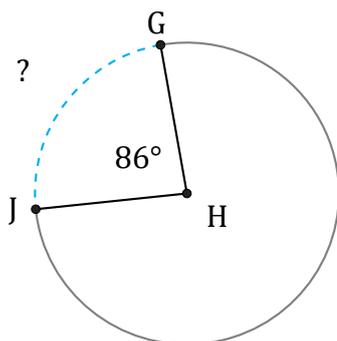
Circonférence = 314,16 mm

$$\angle ABC = \frac{116,94}{314,16} \times 360 = 134^\circ$$



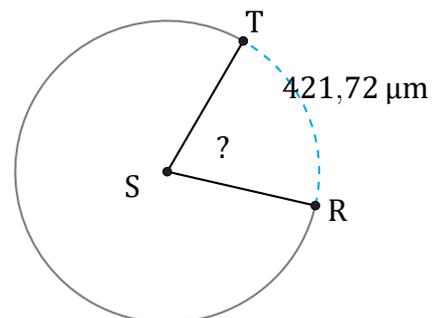
Circonférence = 640,88  $\mu\text{m}$

$$\widehat{DF} = \frac{54}{360} \times 640,88 = 96,13 \mu\text{m}$$



Circonférence = 18,85 cm

$$\widehat{Gj} = \frac{86}{360} \times 18,85 = 4,5 \text{ cm}$$



Circonférence = 2079,73  $\mu\text{m}$

$$\angle RST = \frac{421,72}{2079,73} \times 360 = 73^\circ$$