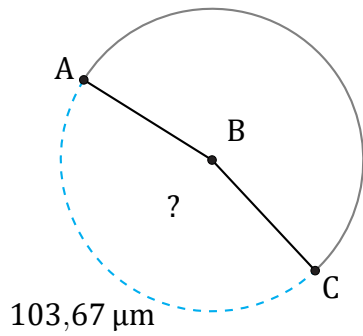


# Angles et Longueurs d'un Arc de Cercle (E)

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

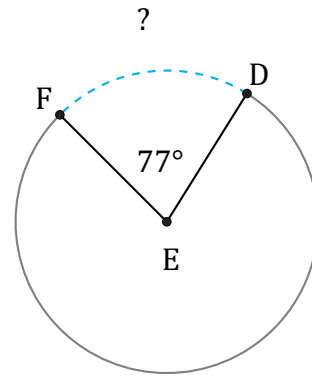
Date: \_\_\_\_\_

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



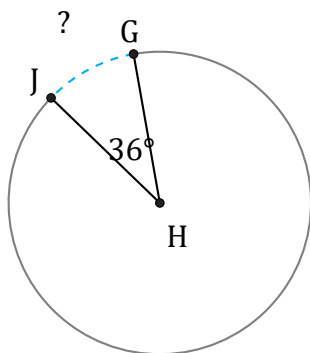
Diamètre = 72 μm

$\angle ABC =$



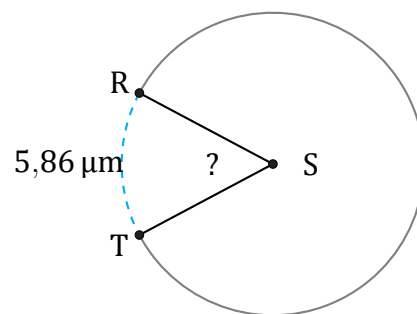
Circonférence = 2532,12 m

$\widehat{DF} =$



Rayon = 675 cm

$\widehat{GJ} =$



Rayon = 6 μm

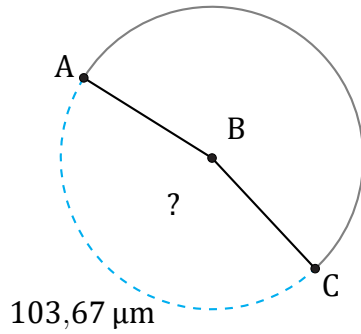
$\angle RST =$

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

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

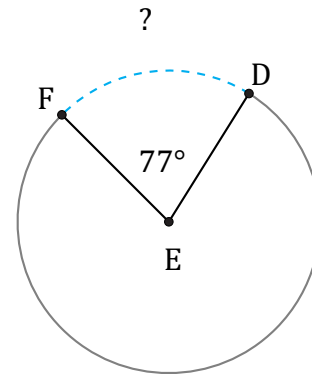
Date: \_\_\_\_\_

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



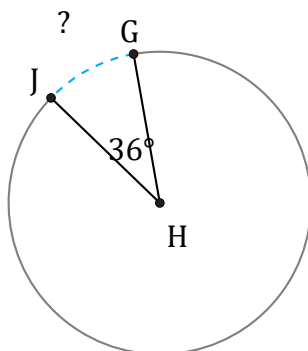
Diamètre = 72 μm

$$\angle ABC = \frac{103,67}{72 \times \pi} \times 360 = 165^\circ$$



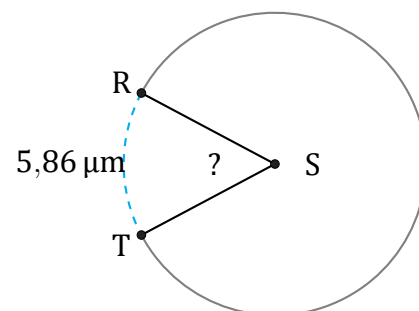
Circonférence = 2532,12 m

$$\widehat{DF} = \frac{77}{360} \times 2532,12 = 541,59 \text{ m}$$



Rayon = 675 cm

$$\widehat{GJ} = \frac{36}{360} \times \pi \times 675 \times 2 = 424,12 \text{ cm}$$



Rayon = 6 μm

$$\angle RST = \frac{5,86}{6 \times \pi \times 2} \times 360 = 56^\circ$$