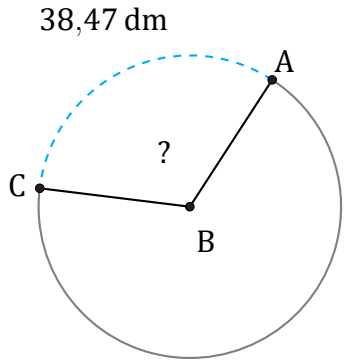
Angles et Longueurs d'un Arc de Cercle (E)

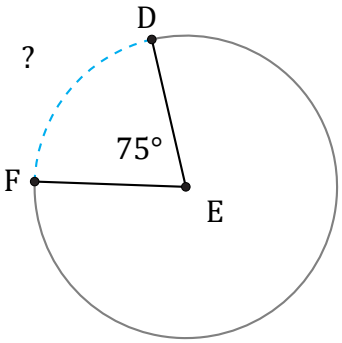
Nom: _____ Date: _____

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



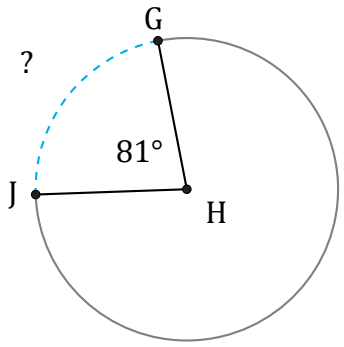
Rayon = 19 dm

$\angle ABC =$



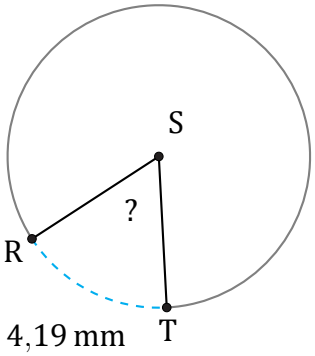
Rayon = 606 km

$\overset{\frown}{DF} =$



Rayon = 17 po

$\overset{\frown}{GJ} =$



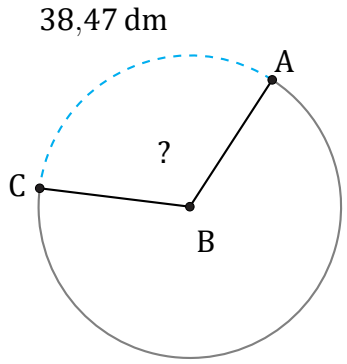
Rayon = 4 mm

$\angle RST =$

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

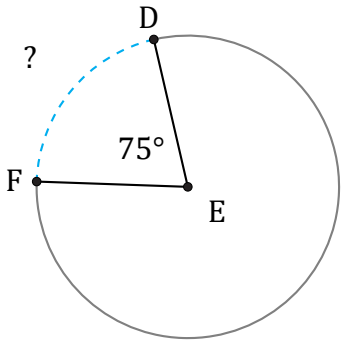
Nom: _____ Date: _____

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



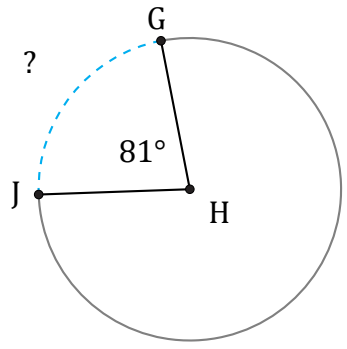
Rayon = 19 dm

$\angle ABC = \frac{38,47}{19 \times \pi \times 2} \times 360 = 116°$



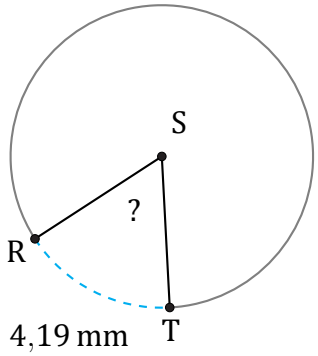
Rayon = 606 km

$\overset{\frown}{DF} = \frac{75}{360} \times \pi \times 606 \times 2 = 793,25 \text{ km}$



Rayon = 17 po

$\overset{\frown}{GJ} = \frac{81}{360} \times \pi \times 17 \times 2 = 24,03 \text{ po}$



Rayon = 4 mm

$\angle RST = \frac{4,19}{4 \times \pi \times 2} \times 360 = 60°$