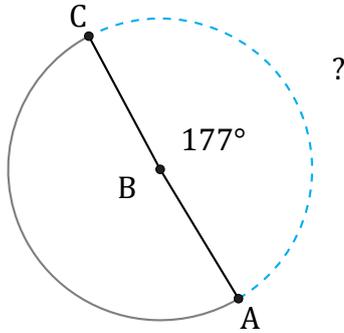


# Angles et Longueurs d'un Arc de Cercle (A)

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

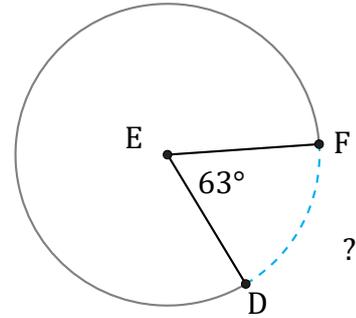
Date: \_\_\_\_\_

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



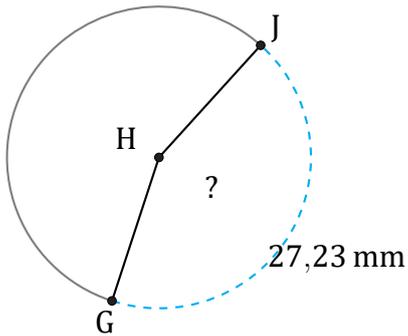
Rayon = 703 km

$\widehat{AC} =$



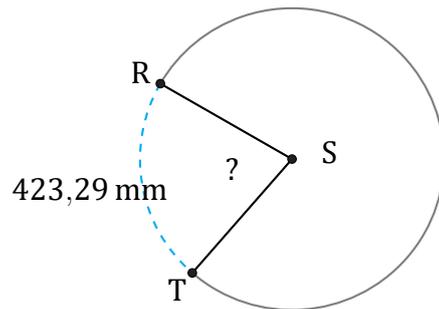
Diamètre = 1006 dm

$\widehat{DF} =$



Circonférence = 62,83 mm

$\angle GHJ =$



Diamètre = 614 mm

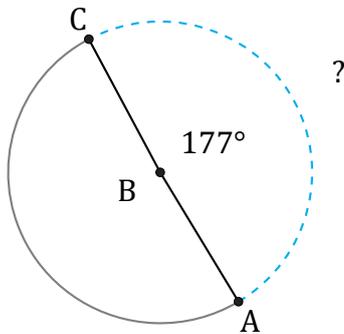
$\angle RST =$

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

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

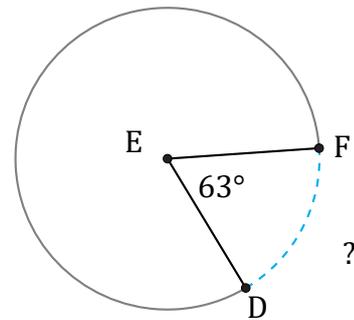
Date: \_\_\_\_\_

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



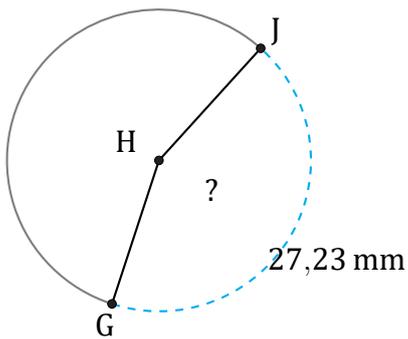
Rayon = 703 km

$$\widehat{AC} = \frac{177}{360} \times \pi \times 703 \times 2 = 2171,73 \text{ km}$$



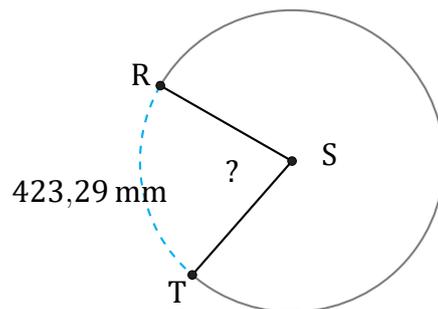
Diamètre = 1006 dm

$$\widehat{DF} = \frac{63}{360} \times \pi \times 1006 = 553,08 \text{ dm}$$



Circonférence = 62,83 mm

$$\angle GHJ = \frac{27,23}{62,83} \times 360 = 156^\circ$$



Diamètre = 614 mm

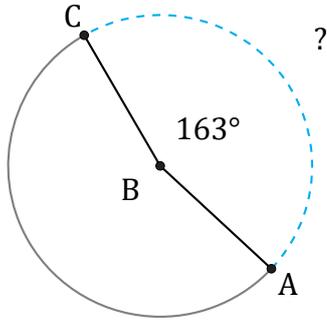
$$\angle RST = \frac{423,29}{614 \times \pi} \times 360 = 79^\circ$$

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

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

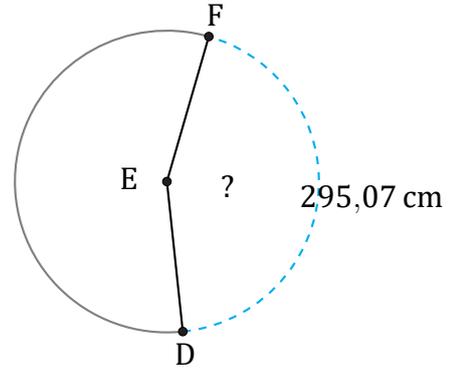
Date: \_\_\_\_\_

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



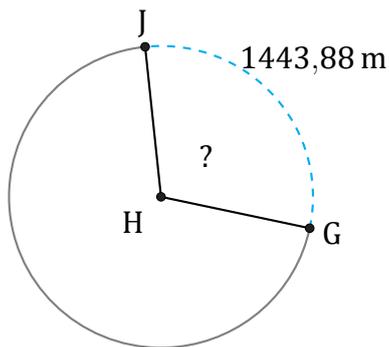
Diamètre = 122 km

$\widehat{AC} =$



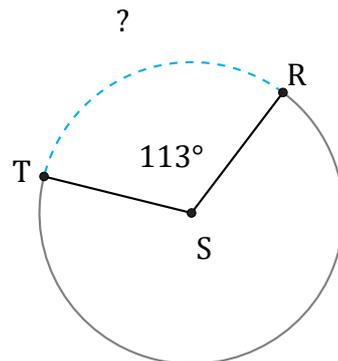
Circonférence = 672,3 cm

$\angle DEF =$



Rayon = 766 m

$\angle GHJ =$



Diamètre = 140  $\mu\text{m}$

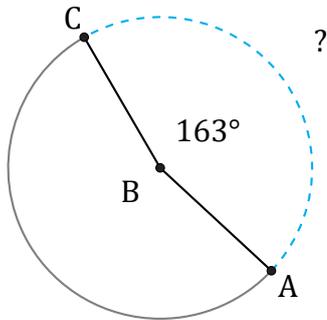
$\widehat{RT} =$

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

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

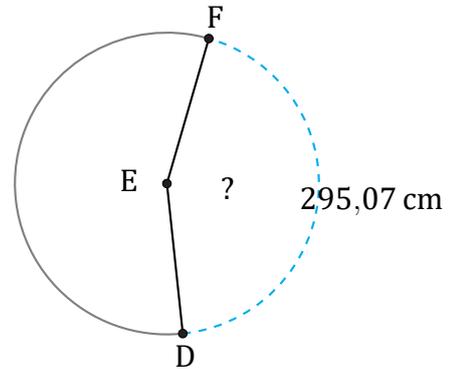
Date: \_\_\_\_\_

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



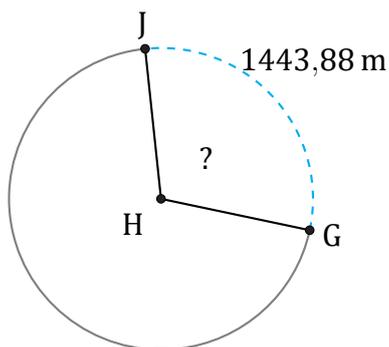
Diamètre = 122 km

$$\widehat{AC} = \frac{163}{360} \times \pi \times 122 = 173,54 \text{ km}$$



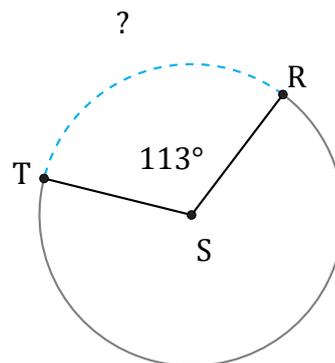
Circonférence = 672,3 cm

$$\angle DEF = \frac{295,07}{672,3} \times 360 = 158^\circ$$



Rayon = 766 m

$$\angle GHJ = \frac{1443,88}{766 \times \pi \times 2} \times 360 = 108^\circ$$



Diamètre = 140 μm

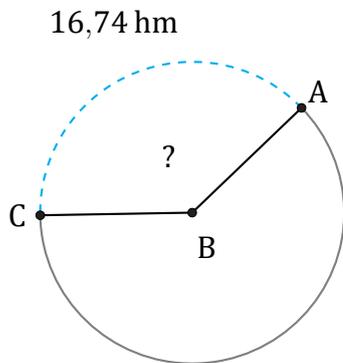
$$\widehat{RT} = \frac{113}{360} \times \pi \times 140 = 138,06 \mu\text{m}$$

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

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

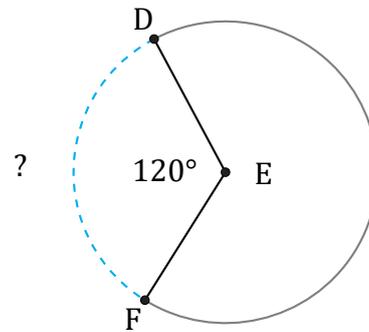
Date: \_\_\_\_\_

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



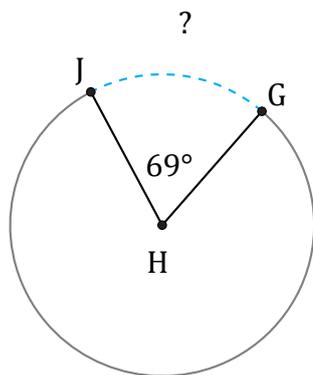
Diamètre =  $14 \text{ hm}$

$\angle ABC =$



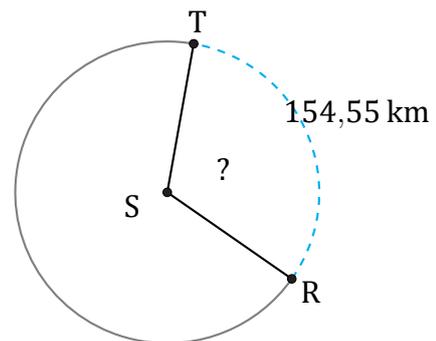
Rayon =  $30 \text{ km}$

$\widehat{DF} =$



Circonférence =  $25,13 \text{ km}$

$\widehat{GJ} =$



Diamètre =  $154 \text{ km}$

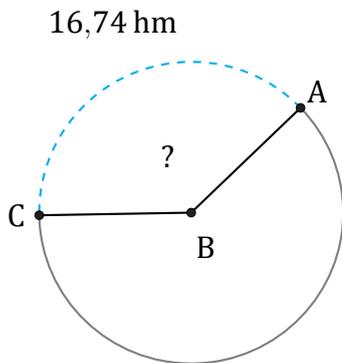
$\angle RST =$

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

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

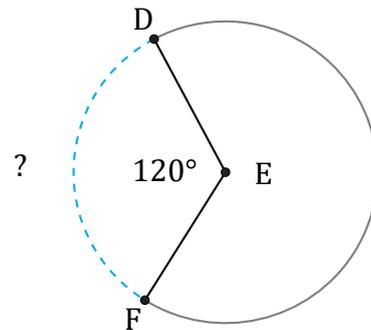
Date: \_\_\_\_\_

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



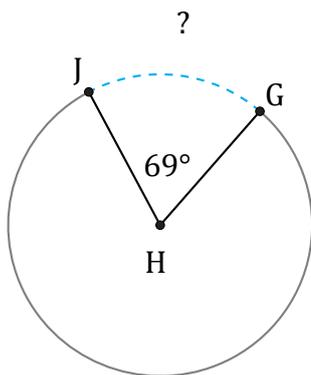
Diamètre = 14 hm

$$\angle ABC = \frac{16,74}{14 \times \pi} \times 360 = 137^\circ$$



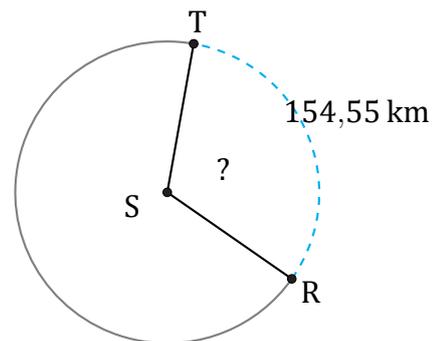
Rayon = 30 km

$$\widehat{DF} = \frac{120}{360} \times \pi \times 30 \times 2 = 62,83 \text{ km}$$



Circonférence = 25,13 km

$$\widehat{GJ} = \frac{69}{360} \times 25,13 = 4,82 \text{ km}$$



Diamètre = 154 km

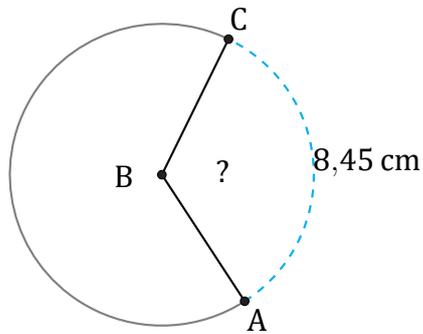
$$\angle RST = \frac{154,55}{154 \times \pi} \times 360 = 115^\circ$$

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

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

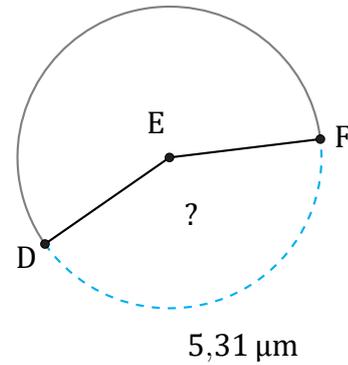
Date: \_\_\_\_\_

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



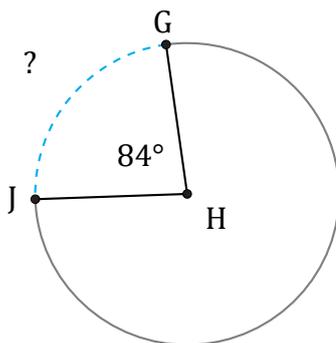
Diamètre =  $8 \text{ cm}$

$\angle ABC =$



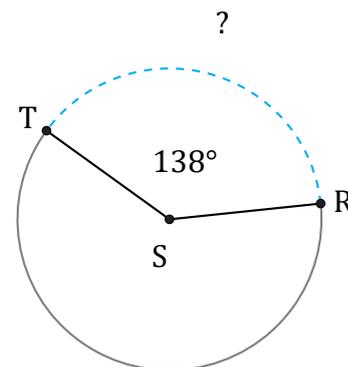
Rayon =  $2 \mu\text{m}$

$\angle DEF =$



Rayon =  $6 \text{ dm}$

$\widehat{GJ} =$



Circonférence =  $213,63 \mu\text{m}$

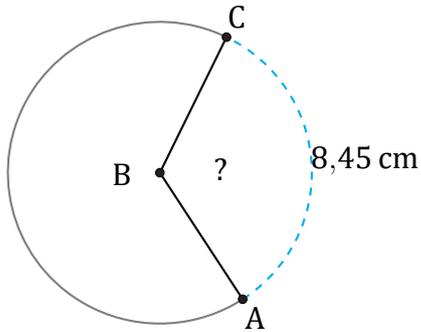
$\widehat{RT} =$

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

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

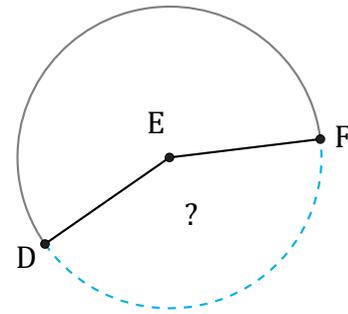
Date: \_\_\_\_\_

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



Diamètre = 8 cm

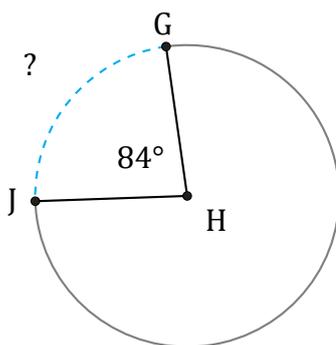
$$\angle ABC = \frac{8,45}{8 \times \pi} \times 360 = 121^\circ$$



5,31 μm

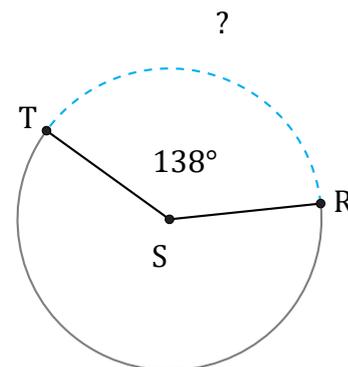
Rayon = 2 μm

$$\angle DEF = \frac{5,31}{2 \times \pi \times 2} \times 360 = 152,1^\circ$$



Rayon = 6 dm

$$\widehat{GJ} = \frac{84}{360} \times \pi \times 6 \times 2 = 8,8 \text{ dm}$$



Circonférence = 213,63 μm

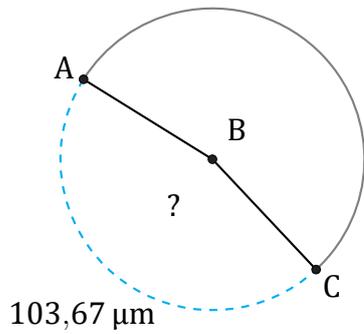
$$\widehat{RT} = \frac{138}{360} \times 213,63 = 81,89 \mu\text{m}$$

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

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

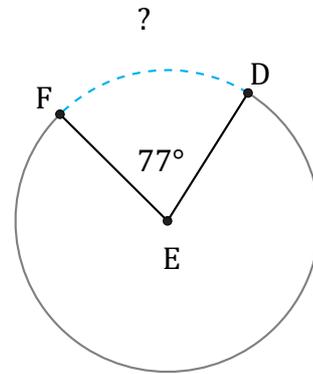
Date: \_\_\_\_\_

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



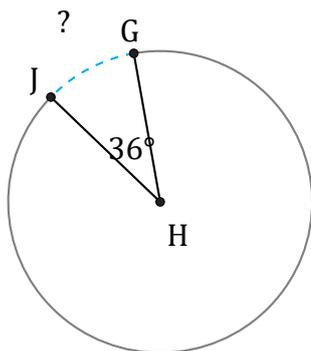
Diamètre = 72 μm

$\angle ABC =$



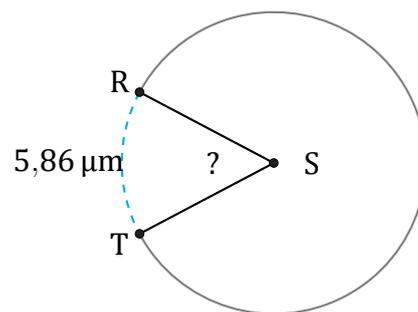
Circonférence = 2532,12 m

$\widehat{DF} =$



Rayon = 675 cm

$\widehat{GJ} =$



Rayon = 6 μm

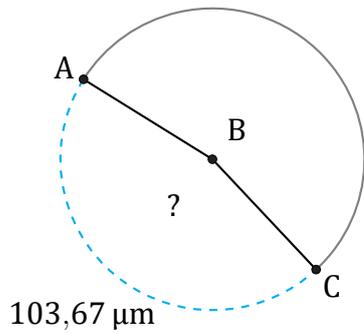
$\angle RST =$

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

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

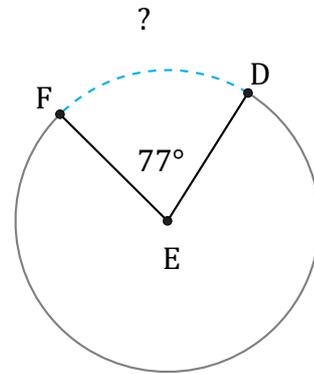
Date: \_\_\_\_\_

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



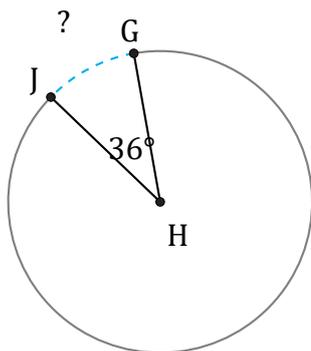
Diamètre = 72 μm

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



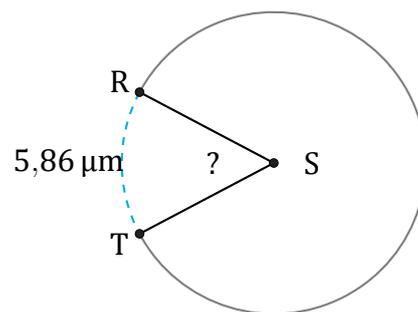
Circonférence = 2532,12 m

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



Rayon = 675 cm

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



Rayon = 6 μm

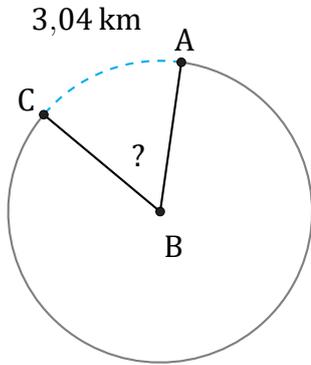
$$\angle RST = \frac{5,86}{6 \times \pi \times 2} \times 360 = 56^\circ$$

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

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

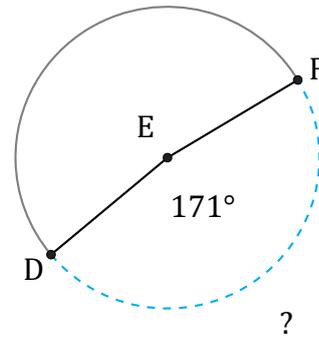
Date: \_\_\_\_\_

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



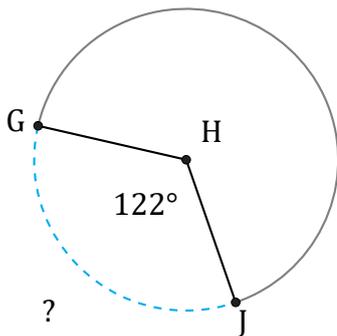
Diamètre = 6 km

$\angle ABC =$



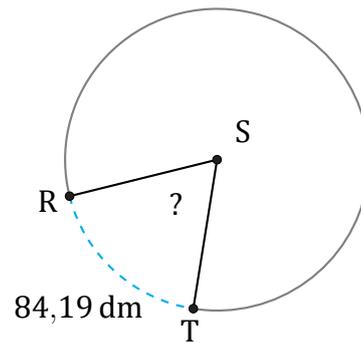
Circonférence = 634,6 mm

$\widehat{DF} =$



Circonférence = 56,55 po

$\widehat{GJ} =$



Rayon = 72 dm

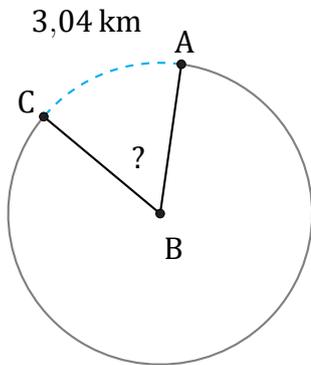
$\angle RST =$

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

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

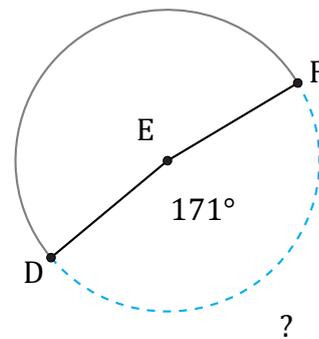
Date: \_\_\_\_\_

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



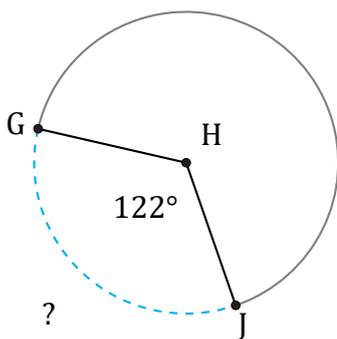
Diamètre = 6 km

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



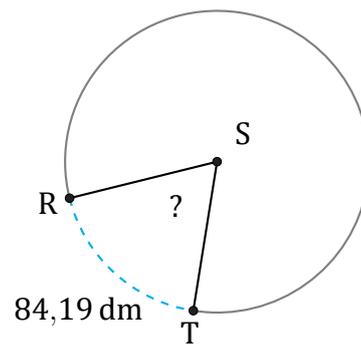
Circonférence = 634,6 mm

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



Circonférence = 56,55 po

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



Rayon = 72 dm

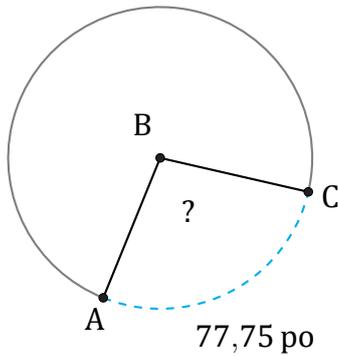
$$\angle RST = \frac{84,19}{72 \times \pi \times 2} \times 360 = 67^\circ$$

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

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

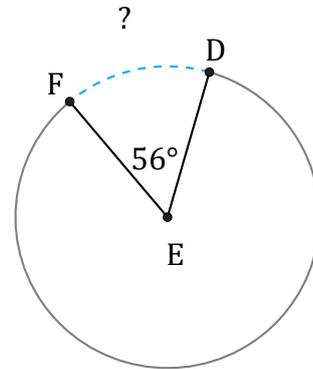
Date: \_\_\_\_\_

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



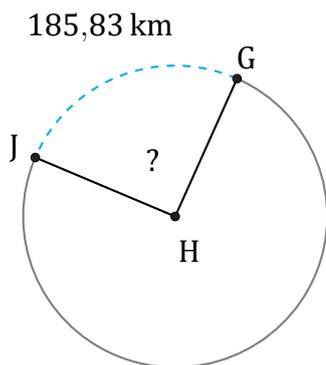
Circonférence = 282,74 po

$\angle ABC =$



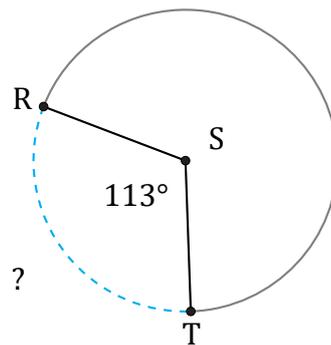
Diamètre = 108 m

$\widehat{DF} =$



Rayon = 117 km

$\angle GHJ =$



Circonférence = 43,98  $\mu\text{m}$

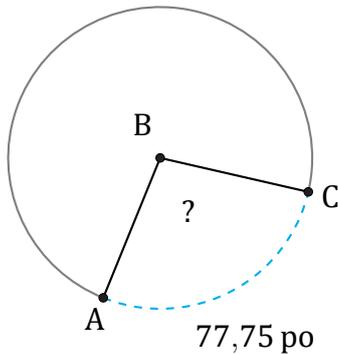
$\widehat{RT} =$

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

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

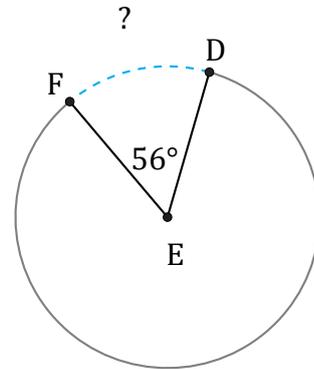
Date: \_\_\_\_\_

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



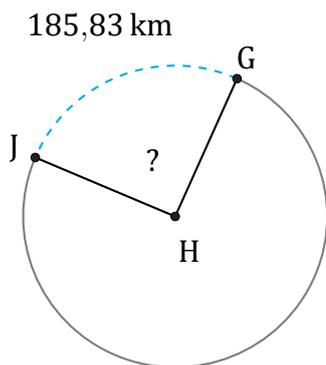
Circonférence = 282,74 po

$$\angle ABC = \frac{77,75}{282,74} \times 360 = 99^\circ$$



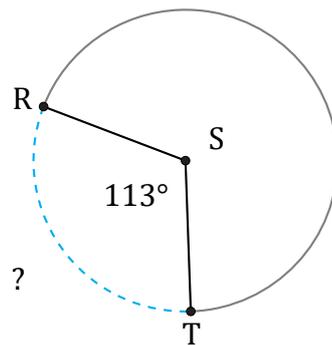
Diamètre = 108 m

$$\widehat{DF} = \frac{56}{360} \times \pi \times 108 = 52,78 \text{ m}$$



Rayon = 117 km

$$\angle GHJ = \frac{185,83}{117 \times \pi \times 2} \times 360 = 91^\circ$$



Circonférence = 43,98 μm

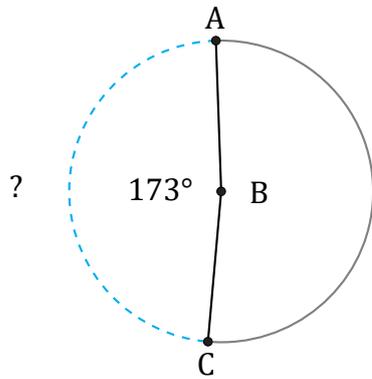
$$\widehat{RT} = \frac{113}{360} \times 43,98 = 13,8 \mu\text{m}$$

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

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

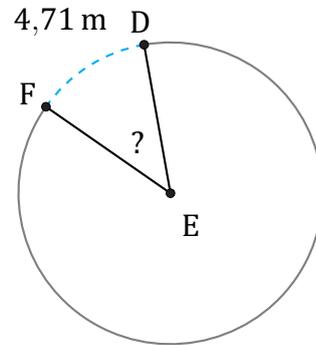
Date: \_\_\_\_\_

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



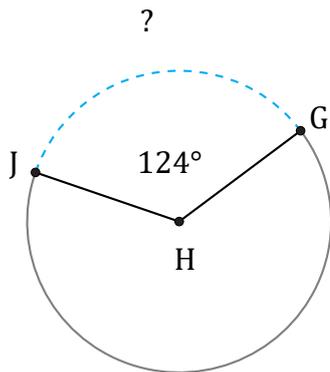
Rayon = 8 km

$\widehat{AC} =$



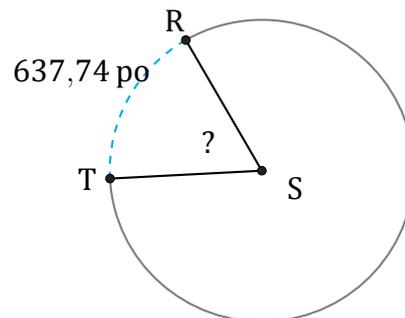
Diamètre = 12 m

$\angle DEF =$



Diamètre = 6 km

$\widehat{GJ} =$



Circonférence = 3644,25 po

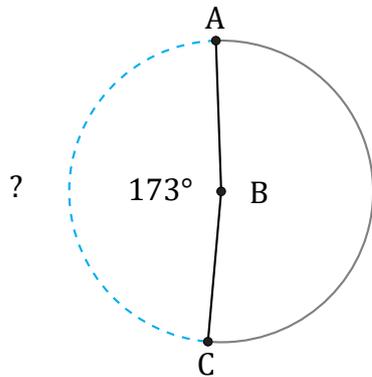
$\angle RST =$

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

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

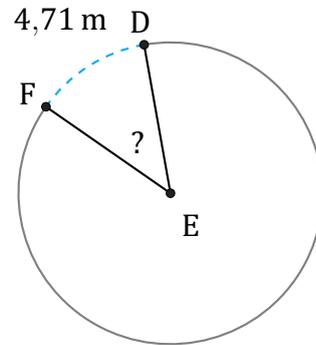
Date: \_\_\_\_\_

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



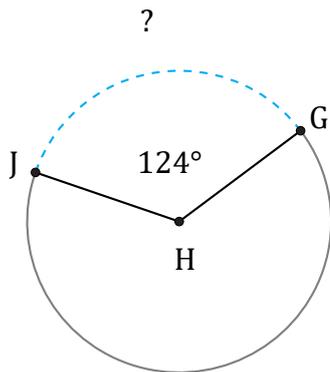
Rayon = 8 km

$$\widehat{AC} = \frac{173}{360} \times \pi \times 8 \times 2 = 24,16 \text{ km}$$



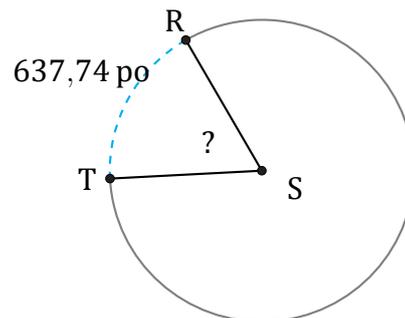
Diamètre = 12 m

$$\angle DEF = \frac{4,71}{12 \times \pi} \times 360 = 45^\circ$$



Diamètre = 6 km

$$\widehat{GJ} = \frac{124}{360} \times \pi \times 6 = 6,49 \text{ km}$$



Circonférence = 3644,25 po

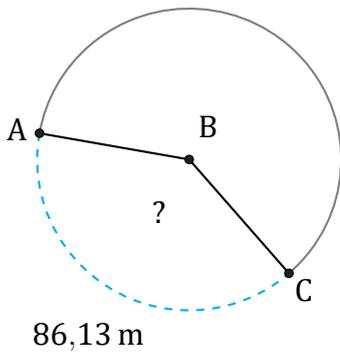
$$\angle RST = \frac{637,74}{3644,25} \times 360 = 63^\circ$$

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

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

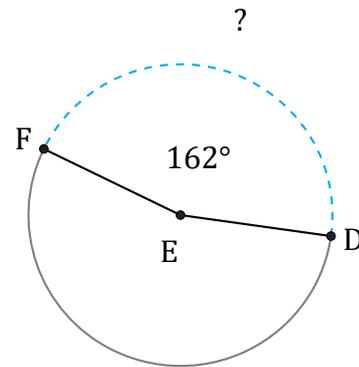
Date: \_\_\_\_\_

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



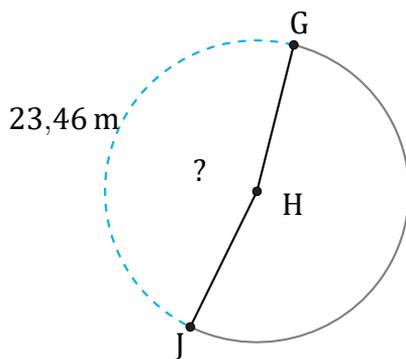
Circonférence = 219,91 m

$\angle ABC =$



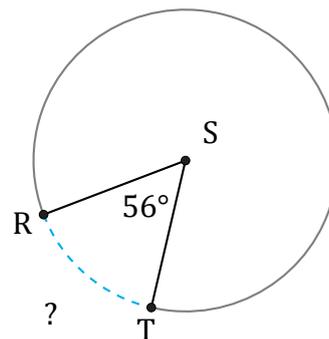
Rayon = 26 po

$\widehat{DF} =$



Diamètre = 16 m

$\angle GHJ =$



Diamètre = 456 dm

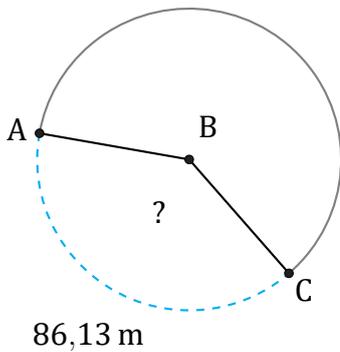
$\widehat{RT} =$

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

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

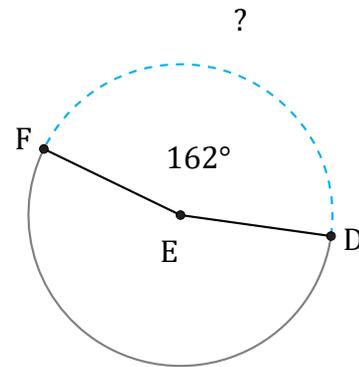
Date: \_\_\_\_\_

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



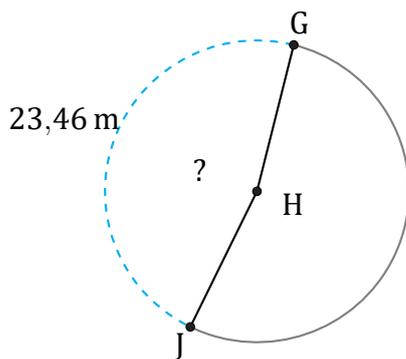
Circonférence = 219,91 m

$$\angle ABC = \frac{86,13}{219,91} \times 360 = 141^\circ$$



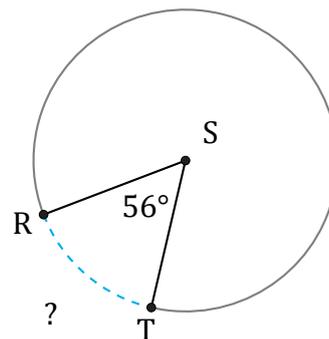
Rayon = 26 po

$$\widehat{DF} = \frac{162}{360} \times \pi \times 26 \times 2 = 73,51 \text{ po}$$



Diamètre = 16 m

$$\angle GHJ = \frac{23,46}{16 \times \pi} \times 360 = 168^\circ$$



Diamètre = 456 dm

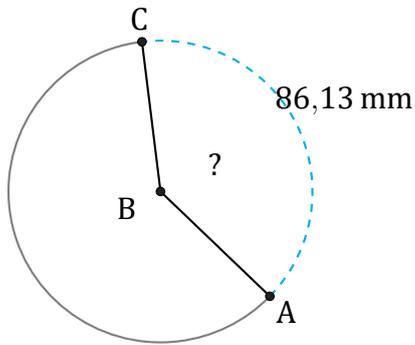
$$\widehat{RT} = \frac{56}{360} \times \pi \times 456 = 222,84 \text{ dm}$$

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

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

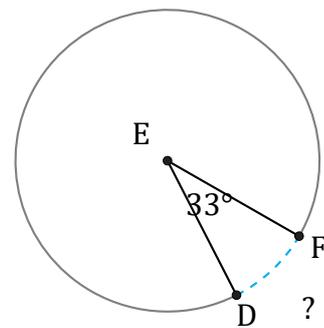
Date: \_\_\_\_\_

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



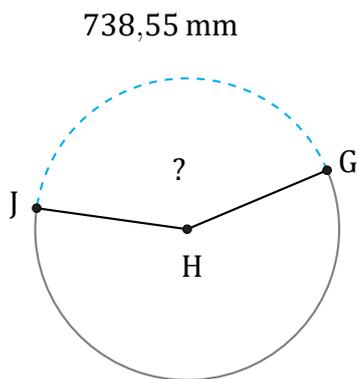
Circonférence = 219,91 mm

$\angle ABC =$  \_\_\_\_\_



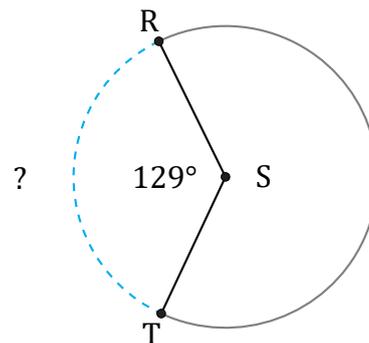
Rayon = 51 cm

$\widehat{DF} =$  \_\_\_\_\_



Circonférence = 1784,42 mm

$\angle GHJ =$  \_\_\_\_\_



Diamètre = 1078 po

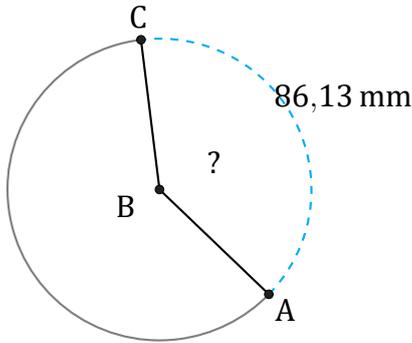
$\widehat{RT} =$  \_\_\_\_\_

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

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

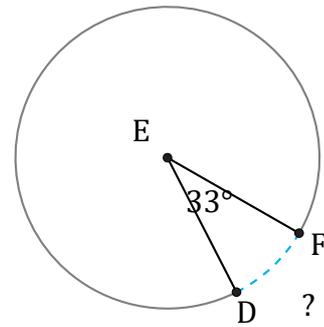
Date: \_\_\_\_\_

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



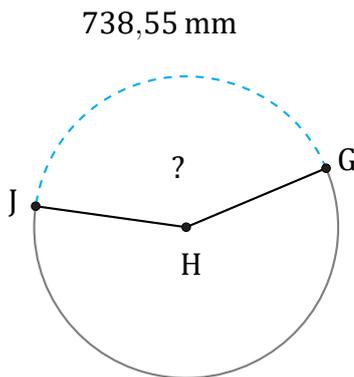
Circonférence = 219,91 mm

$$\angle ABC = \frac{86,13}{219,91} \times 360 = 141^\circ$$



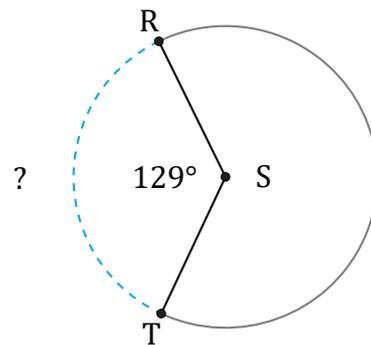
Rayon = 51 cm

$$\widehat{DF} = \frac{33}{360} \times \pi \times 51 \times 2 = 29,37 \text{ cm}$$



Circonférence = 1784,42 mm

$$\angle GHJ = \frac{738,55}{1784,42} \times 360 = 149^\circ$$



Diamètre = 1078 po

$$\widehat{RT} = \frac{129}{360} \times \pi \times 1078 = 1213,54 \text{ po}$$