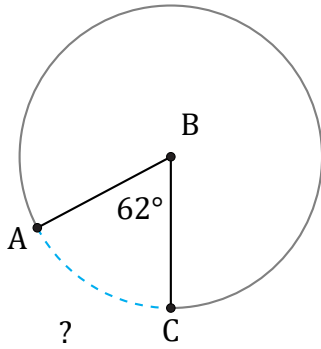


# Angles et Longueurs d'un Arc de Cercle (A)

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

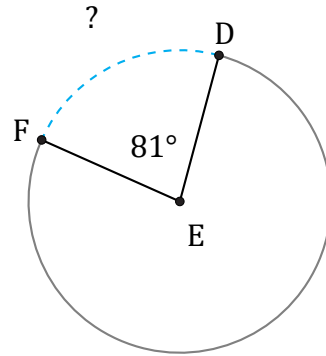
Date: \_\_\_\_\_

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



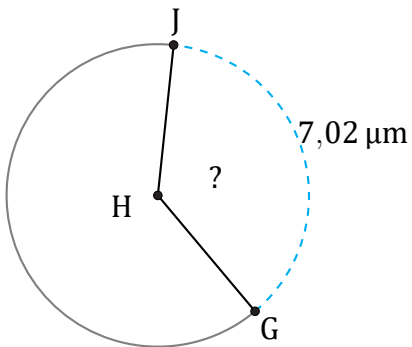
Circonférence = 3135,31 dm

$\widehat{AC} =$



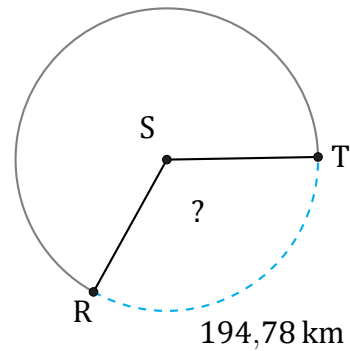
Circonférence = 402,12 km

$\widehat{DF} =$



Circonférence = 18,85  $\mu\text{m}$

$\angle GHJ =$



Circonférence = 584,34 km

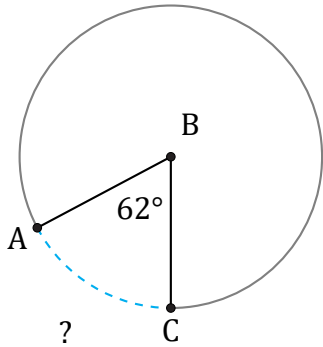
$\angle RST =$

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

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

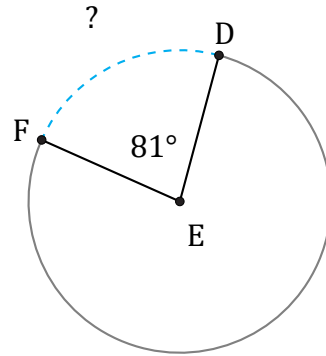
Date: \_\_\_\_\_

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



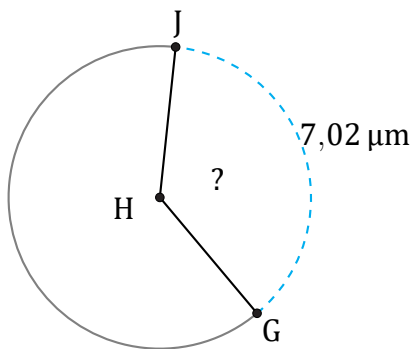
Circonférence = 3135,31 dm

$$\widehat{AC} = \frac{62}{360} \times 3135,31 = 539,97 \text{ dm}$$



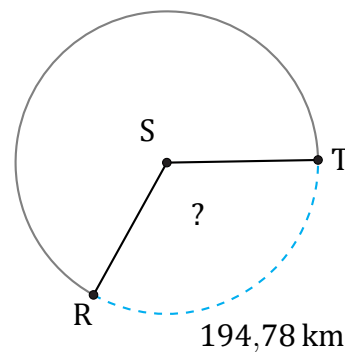
Circonférence = 402,12 km

$$\widehat{DF} = \frac{81}{360} \times 402,12 = 90,48 \text{ km}$$



Circonférence = 18,85 μm

$$\angle GHJ = \frac{7,02}{18,85} \times 360 = 134,1^\circ$$



Circonférence = 584,34 km

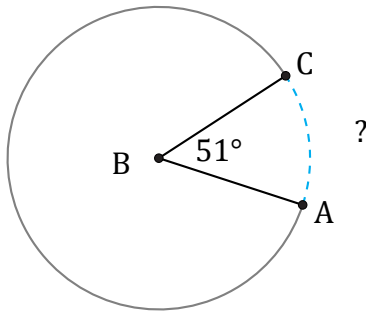
$$\angle RST = \frac{194,78}{584,34} \times 360 = 120^\circ$$

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

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

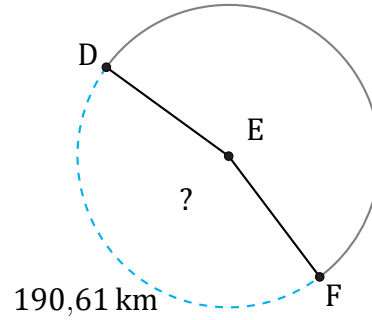
Date: \_\_\_\_\_

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



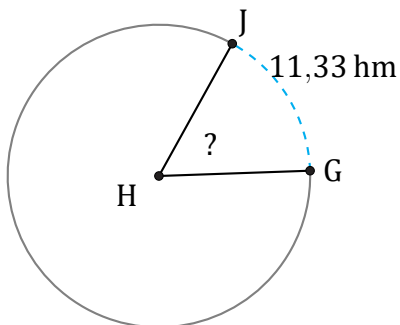
Circonférence = 4322,83 hm

$\widehat{AC} =$



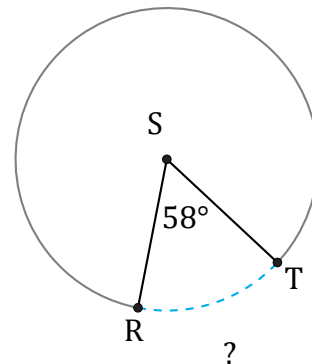
Circonférence = 420,97 km

$\angle DEF =$



Circonférence = 69,12 hm

$\angle GHJ =$



Circonférence = 490,09 km

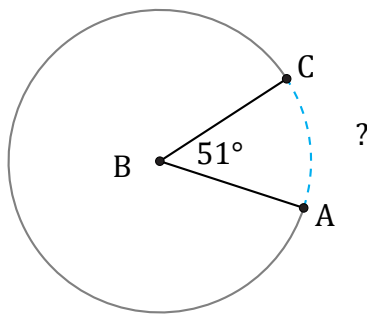
$\widehat{RT} =$

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

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

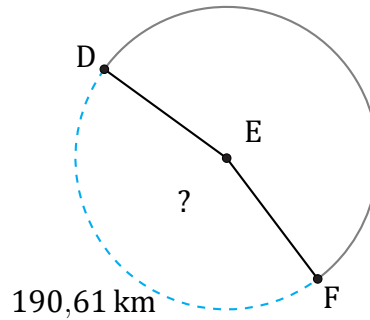
Date: \_\_\_\_\_

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



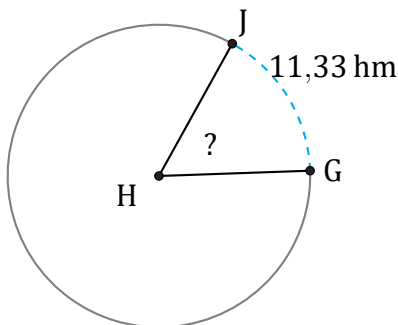
Circonférence = 4322,83 hm

$$\widehat{AC} = \frac{51}{360} \times 4322,83 = 612,4 \text{ hm}$$



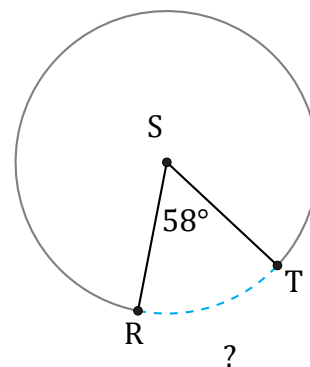
Circonférence = 420,97 km

$$\angle DEF = \frac{190,61}{420,97} \times 360 = 163^\circ$$



Circonférence = 69,12 hm

$$\angle GHJ = \frac{11,33}{69,12} \times 360 = 59^\circ$$



Circonférence = 490,09 km

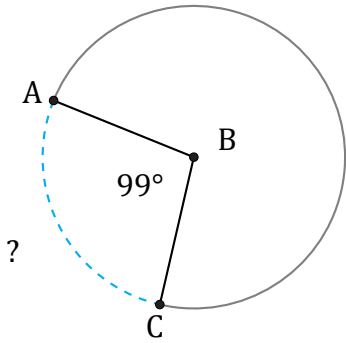
$$\widehat{RT} = \frac{58}{360} \times 490,09 = 78,96 \text{ km}$$

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

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

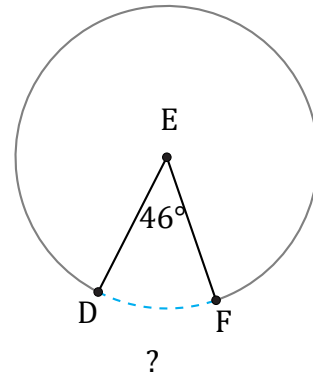
Date: \_\_\_\_\_

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



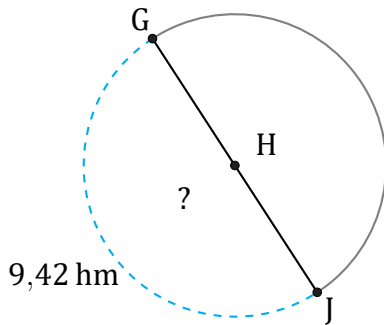
Circonférence = 1828,41 km

$\widehat{AC} =$



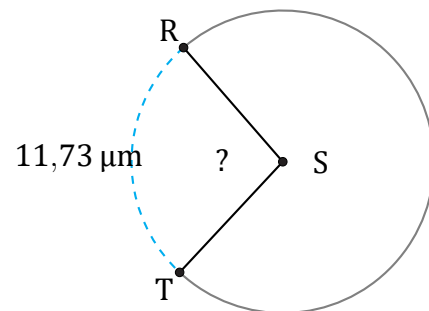
Circonférence = 1401,15 mm

$\widehat{DF} =$



Circonférence = 18,85 hm

$\angle GHJ =$



Circonférence = 43,98  $\mu\text{m}$

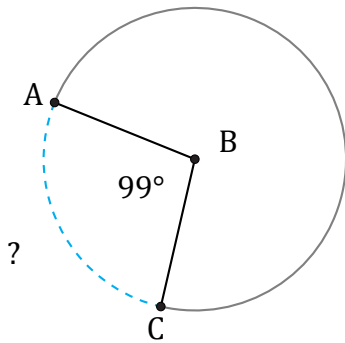
$\angle RST =$

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

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

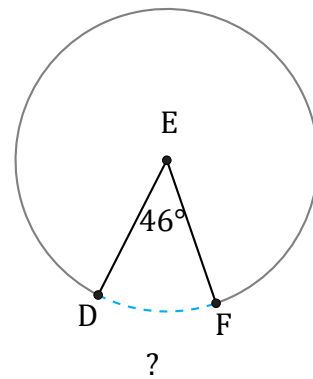
Date: \_\_\_\_\_

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



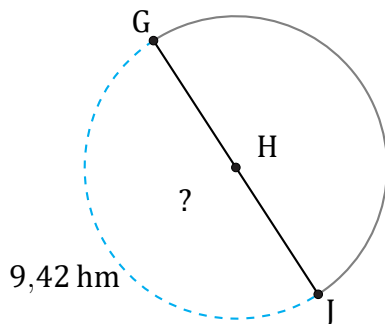
Circonférence = 1828,41 km

$$\widehat{AC} = \frac{99}{360} \times 1828,41 = 502,81 \text{ km}$$



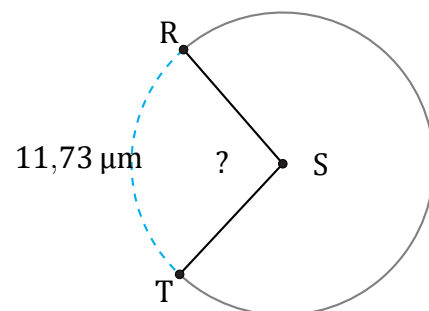
Circonférence = 1401,15 mm

$$\widehat{DF} = \frac{46}{360} \times 1401,15 = 179,04 \text{ mm}$$



Circonférence = 18,85 hm

$$\angle GHJ = \frac{9,42}{18,85} \times 360 = 179,9^\circ$$



Circonférence = 43,98 micrometers

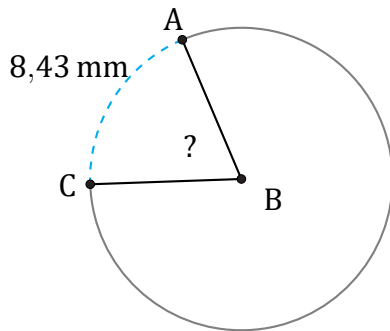
$$\angle RST = \frac{11,73}{43,98} \times 360 = 96^\circ$$

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

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

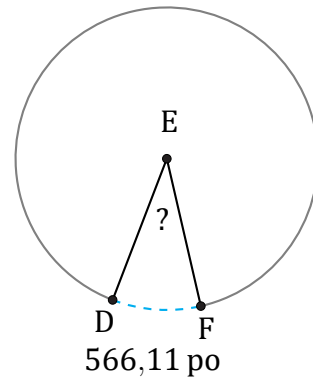
Date: \_\_\_\_\_

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



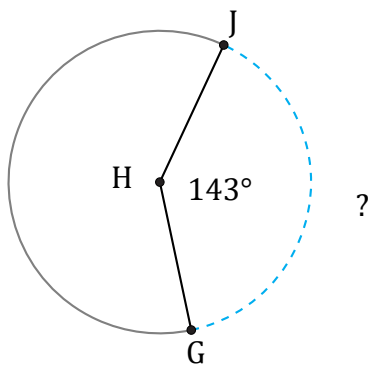
Circonférence = 43,98 mm

$\angle ABC =$



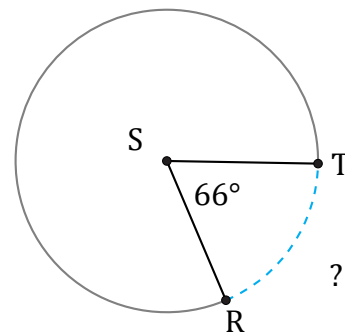
Circonférence = 5994,16 po

$\angle DEF =$



Circonférence = 263,89 cm

$\widehat{GJ} =$



Circonférence = 56,55  $\mu\text{m}$

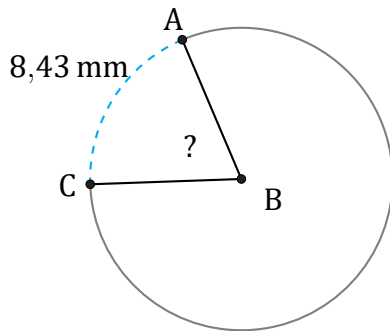
$\widehat{RT} =$

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

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

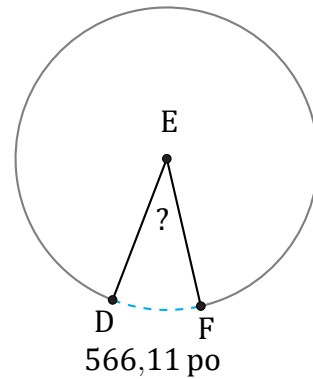
Date: \_\_\_\_\_

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



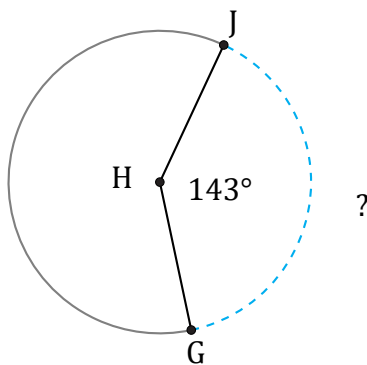
Circonférence = 43,98 mm

$$\angle ABC = \frac{8,43}{43,98} \times 360 = 69^\circ$$



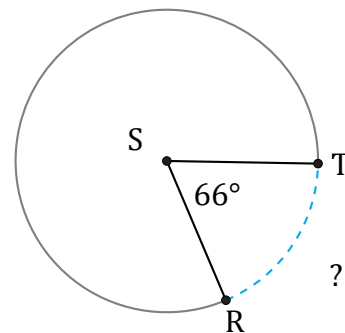
Circonférence = 5994,16 po

$$\angle DEF = \frac{566,11}{5994,16} \times 360 = 34^\circ$$



Circonférence = 263,89 cm

$$\widehat{GJ} = \frac{143}{360} \times 263,89 = 104,82 \text{ cm}$$



Circonférence = 56,55 μm

$$\widehat{RT} = \frac{66}{360} \times 56,55 = 10,37 \text{ μm}$$

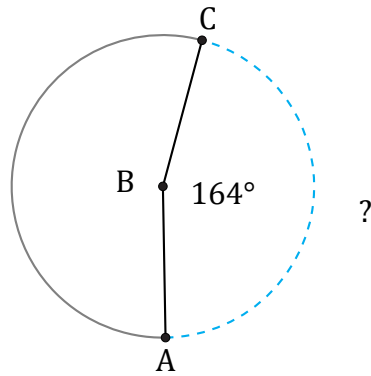


# Angles et Longueurs d'un Arc de Cercle (E)

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

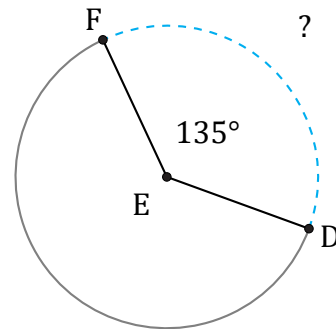
Date: \_\_\_\_\_

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



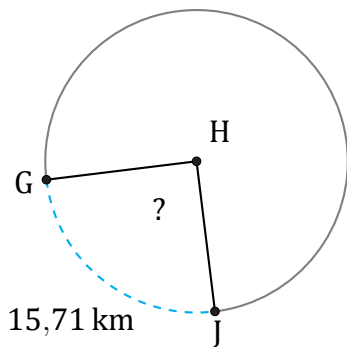
Circonférence = 50,27 mm

$\widehat{AC} =$



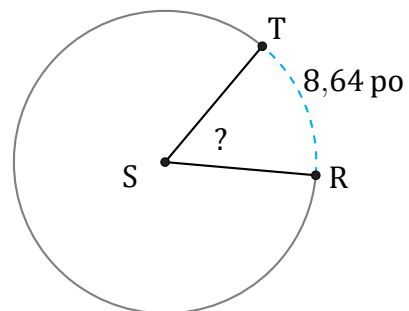
Circonférence = 1809,56 cm

$\widehat{DF} =$



Circonférence = 62,83 km

$\angle GHJ =$



Circonférence = 56,55 po

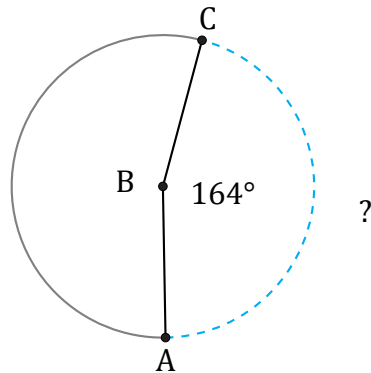
$\angle RST =$

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

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

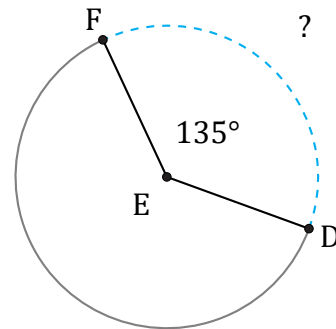
Date: \_\_\_\_\_

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



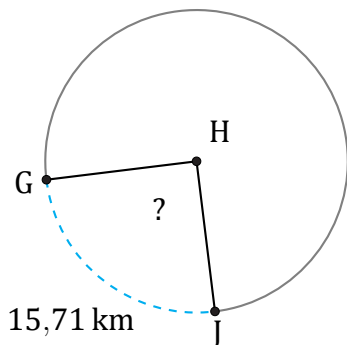
Circonférence = 50,27 mm

$$\widehat{AC} = \frac{164}{360} \times 50,27 = 22,9 \text{ mm}$$



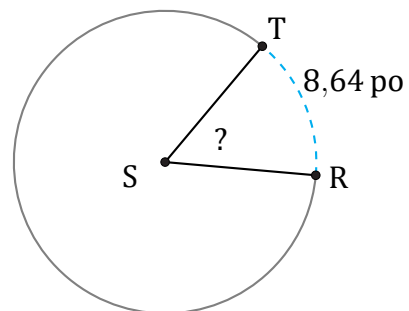
Circonférence = 1809,56 cm

$$\widehat{DF} = \frac{135}{360} \times 1809,56 = 678,59 \text{ cm}$$



Circonférence = 62,83 km

$$\angle GHJ = \frac{15,71}{62,83} \times 360 = 90^\circ$$



Circonférence = 56,55 po

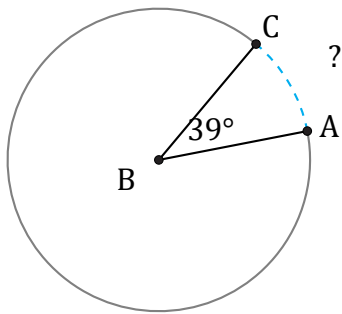
$$\angle RST = \frac{8,64}{56,55} \times 360 = 55^\circ$$

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

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

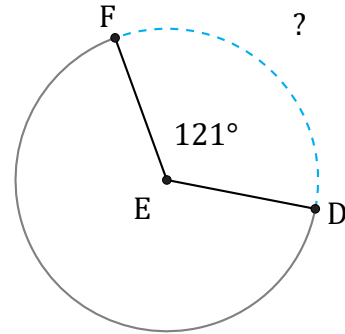
Date: \_\_\_\_\_

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



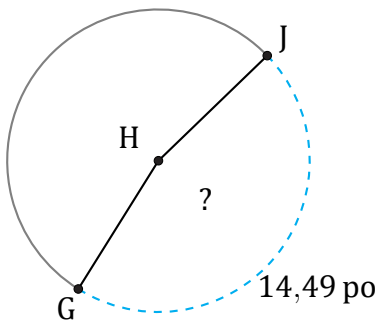
Circonférence = 119,38 po

$\widehat{AC} =$



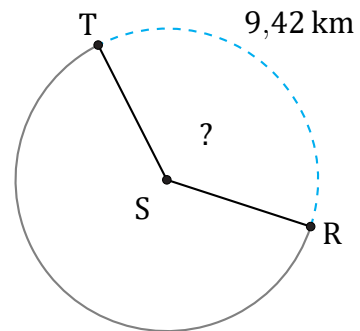
Circonférence = 4404,51 po

$\widehat{DF} =$



Circonférence = 31,42 po

$\angle GHJ =$



Circonférence = 25,13 km

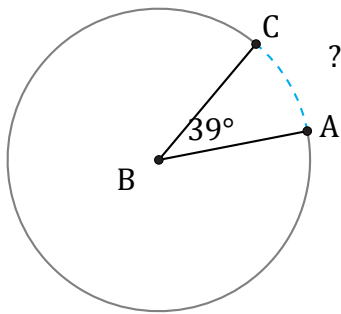
$\angle RST =$

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

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

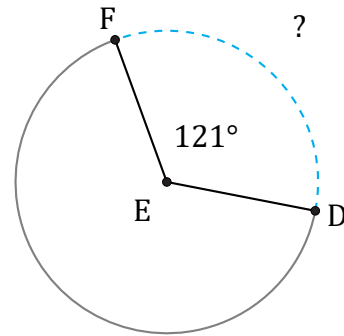
Date: \_\_\_\_\_

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



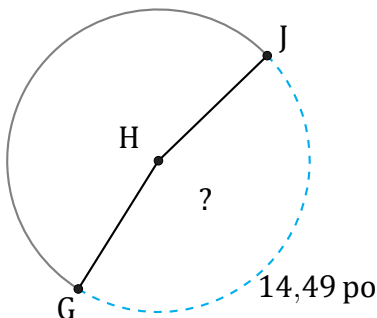
Circonférence = 119,38 po

$$\widehat{AC} = \frac{39}{360} \times 119,38 = 12,93 \text{ po}$$



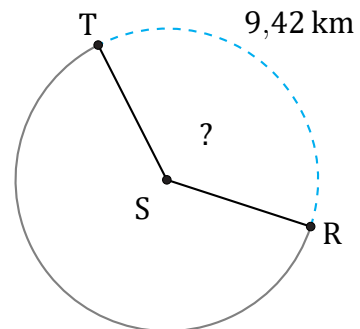
Circonférence = 4404,51 po

$$\widehat{DF} = \frac{121}{360} \times 4404,51 = 1480,4 \text{ po}$$



Circonférence = 31,42 po

$$\angle GHJ = \frac{14,49}{31,42} \times 360 = 166^\circ$$



Circonférence = 25,13 km

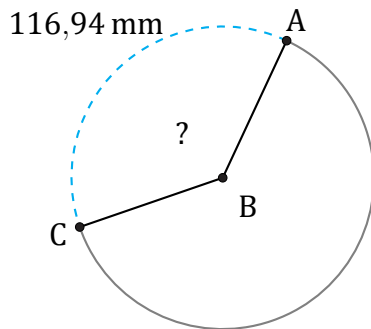
$$\angle RST = \frac{9,42}{25,13} \times 360 = 134,9^\circ$$

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

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

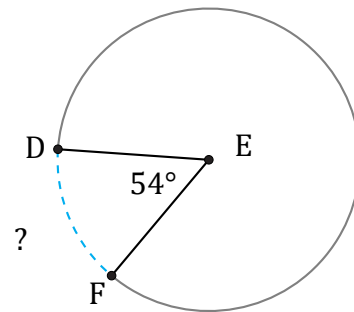
Date: \_\_\_\_\_

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



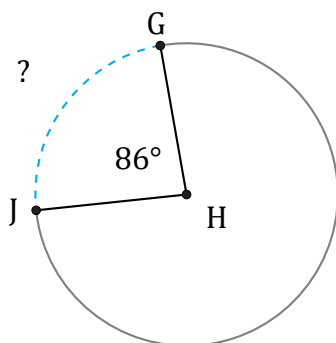
Circonférence = 314,16 mm

$\angle ABC =$



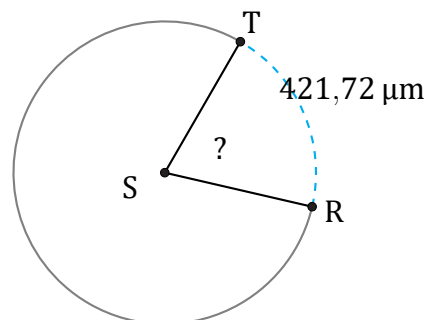
Circonférence = 640,88  $\mu\text{m}$

$\widehat{DF} =$



Circonférence = 18,85 cm

$\widehat{Gj} =$



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

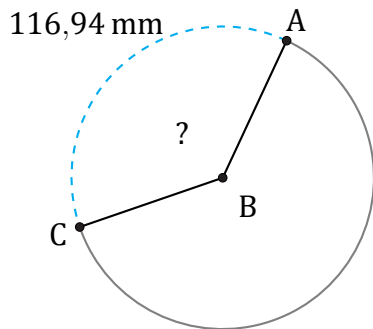
$\angle RST =$

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

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

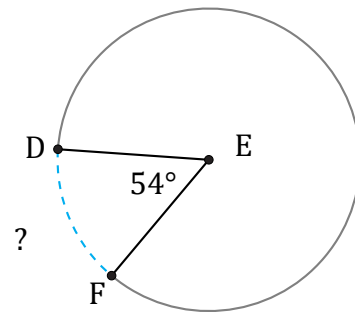
Date: \_\_\_\_\_

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



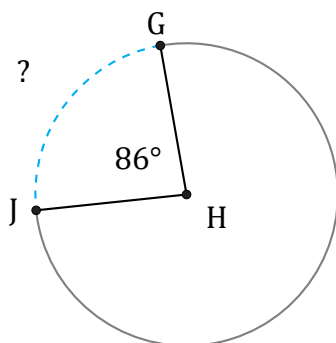
Circonférence = 314,16 mm

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



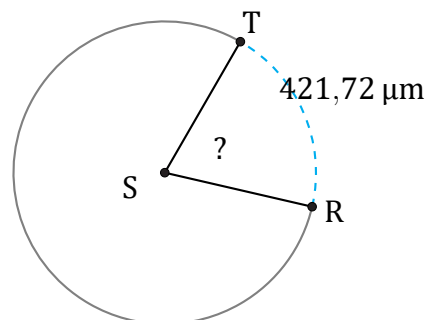
Circonférence = 640,88  $\mu\text{m}$

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



Circonférence = 18,85 cm

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



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

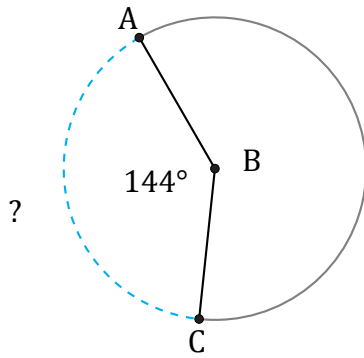
$$\angle RST = \frac{421,72}{2079,73} \times 360 = 73^\circ$$

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

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

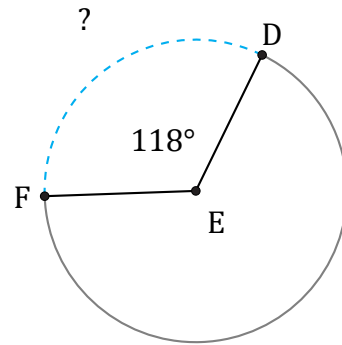
Date: \_\_\_\_\_

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



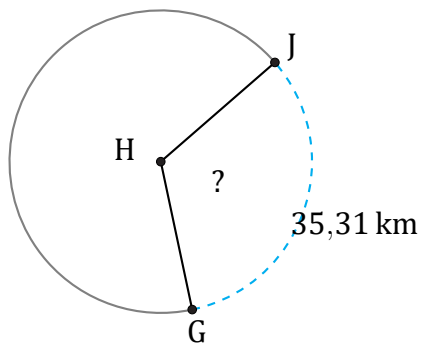
Circonférence = 75,4 m

$\widehat{AC} =$



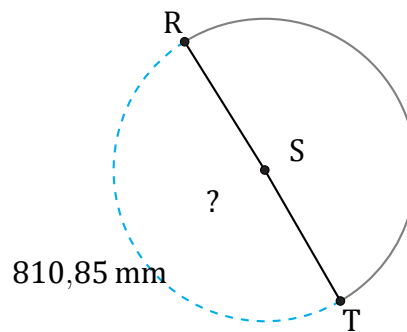
Circonférence = 4234,87 po

$\widehat{DF} =$



Circonférence = 106,81 km

$\angle GHJ =$



Circonférence = 1639,91 mm

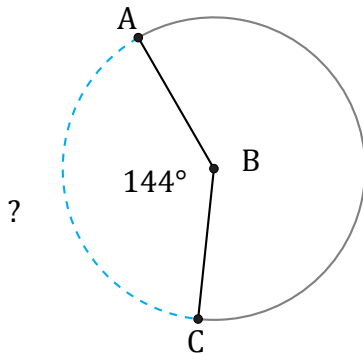
$\angle RST =$

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

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

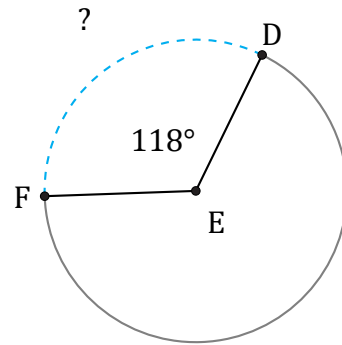
Date: \_\_\_\_\_

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



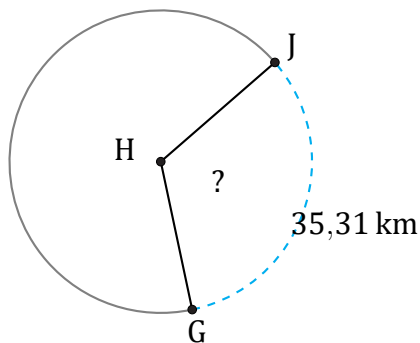
Circonférence = 75,4 m

$$\widehat{AC} = \frac{144}{360} \times 75,4 = 30,16 \text{ m}$$



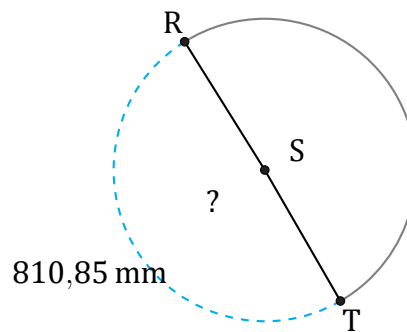
Circonférence = 4234,87 po

$$\widehat{DF} = \frac{118}{360} \times 4234,87 = 1388,1 \text{ po}$$



Circonférence = 106,81 km

$$\angle GHJ = \frac{35,31}{106,81} \times 360 = 119^\circ$$



Circonférence = 1639,91 mm

$$\angle RST = \frac{810,85}{1639,91} \times 360 = 178^\circ$$

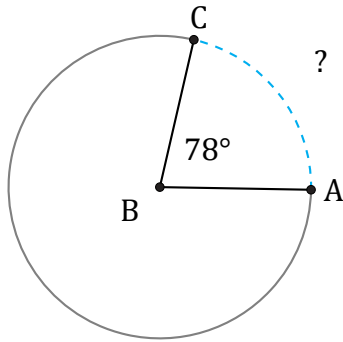


# Angles et Longueurs d'un Arc de Cercle (I)

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

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

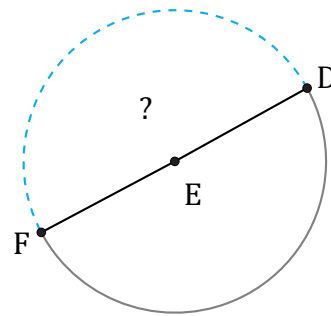
Calculez la longueur de l'arc de cercle et la mesure de l'angle.



Circonférence = 5868,5 dm

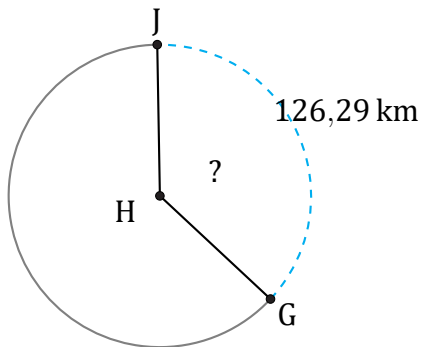
$\widehat{AC} =$

431,13 hm



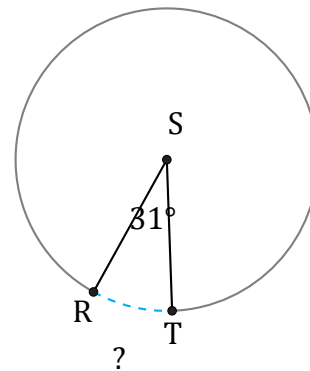
Circonférence = 867,08 hm

$\angle DEF =$



Circonférence = 339,29 km

$\angle GHJ =$



Circonférence = 18,85 dm

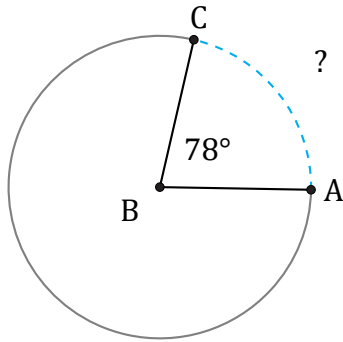
$\widehat{RT} =$

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

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

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

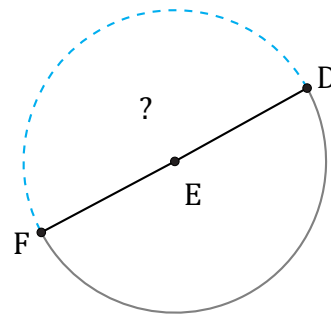
Calculez la longueur de l'arc de cercle et la mesure de l'angle.



Circonférence = 5868,5 dm

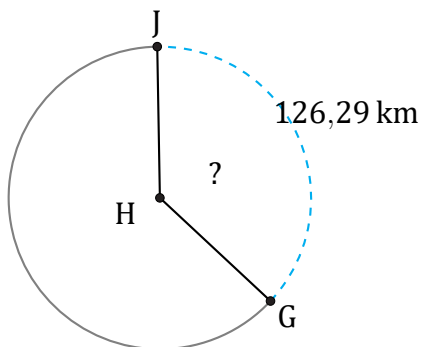
$$\widehat{AC} = \frac{78}{360} \times 5868,5 = 1271,51 \text{ dm}$$

431,13 hm



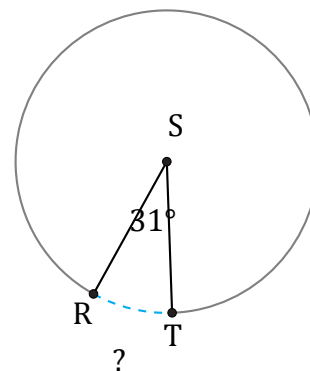
Circonférence = 867,08 hm

$$\angle DEF = \frac{431,13}{867,08} \times 360 = 179^\circ$$



Circonférence = 339,29 km

$$\angle GHJ = \frac{126,29}{339,29} \times 360 = 134^\circ$$



Circonférence = 18,85 dm

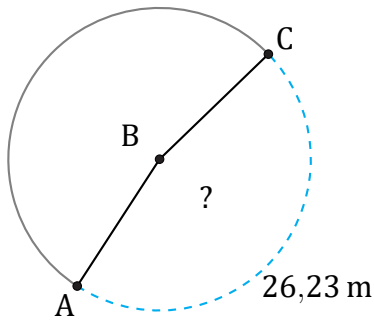
$$\widehat{RT} = \frac{31}{360} \times 18,85 = 1,62 \text{ dm}$$

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

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

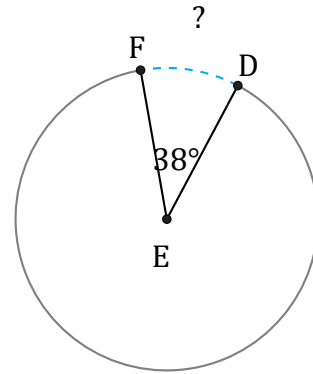
Date: \_\_\_\_\_

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



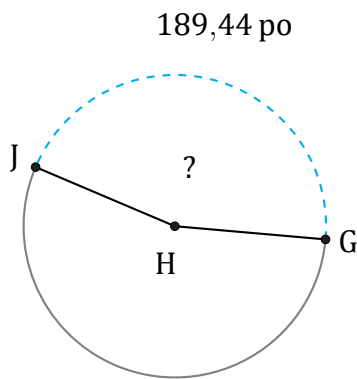
Circonférence = 56,55 m

$\angle ABC =$



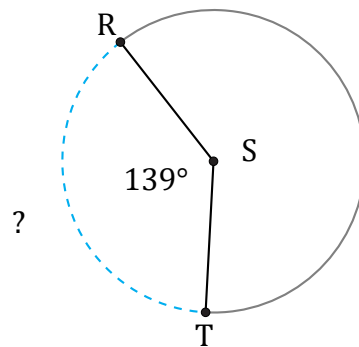
Circonférence = 62,83 po

$\widehat{DF} =$



Circonférence = 420,97 po

$\angle GHJ =$



Circonférence = 43,98 hm

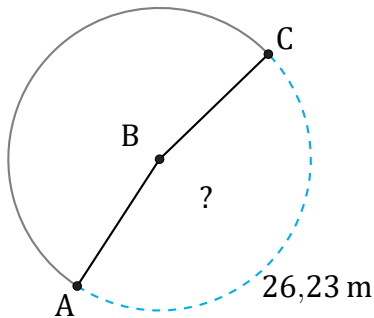
$\widehat{RT} =$

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

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

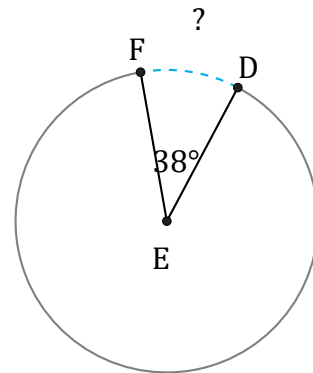
Date: \_\_\_\_\_

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



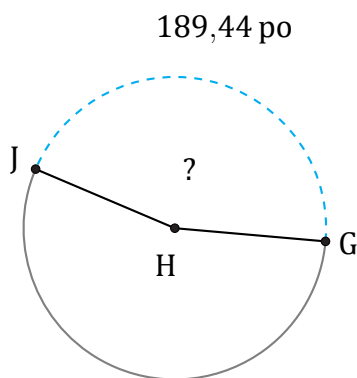
Circonférence = 56,55 m

$$\angle ABC = \frac{26,23}{56,55} \times 360 = 167^\circ$$



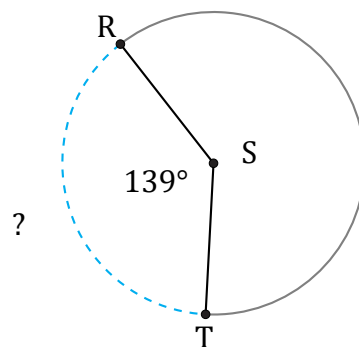
Circonférence = 62,83 po

$$\widehat{DF} = \frac{38}{360} \times 62,83 = 6,63 \text{ po}$$



Circonférence = 420,97 po

$$\angle GHJ = \frac{189,44}{420,97} \times 360 = 162^\circ$$



Circonférence = 43,98 hm

$$\widehat{RT} = \frac{139}{360} \times 43,98 = 16,98 \text{ hm}$$