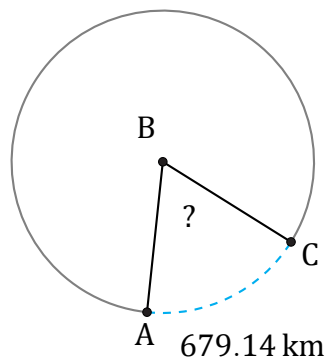


Amplitud y Longitud de Arcos (A)

Nombre: _____

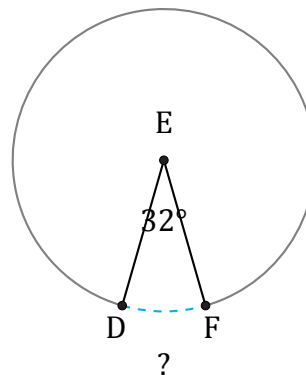
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



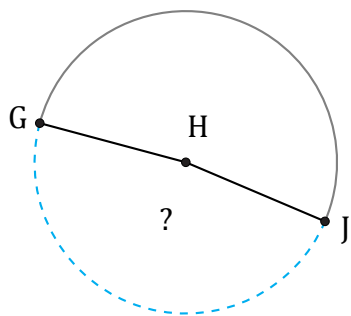
Radio = 608 km

$\angle ABC =$



Radio = 29 mi

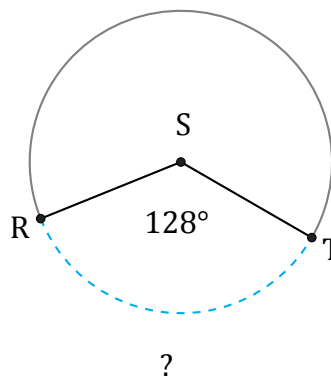
$\widehat{DF} =$



192.13 in

Radio = 64 in

$\angle GHJ =$



Radio = 8 in

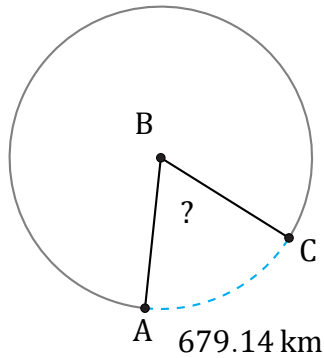
$\widehat{RT} =$

Amplitud y Longitud de Arcos (A) Respuestas

Nombre: _____

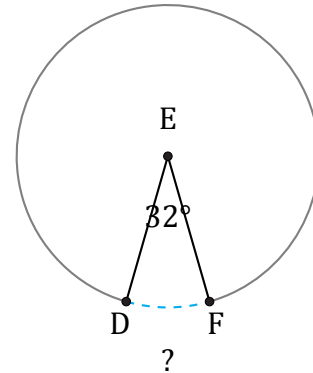
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



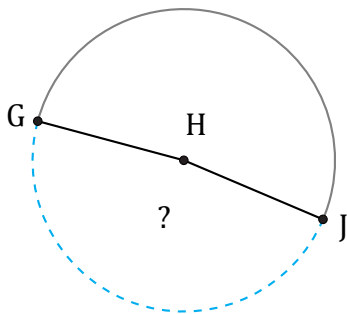
Radio = 608 km

$$\angle ABC = \frac{679.14}{608 \times \pi \times 2} \times 360 = 64^\circ$$



Radio = 29 mi

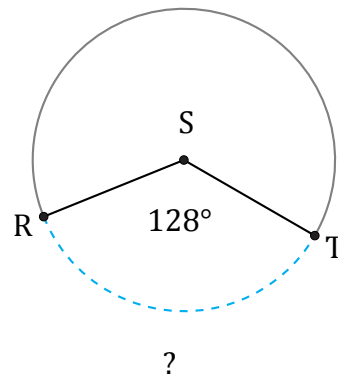
$$\widehat{DF} = \frac{32}{360} \times \pi \times 29 \times 2 = 16.2 \text{ mi}$$



192.13 in

Radio = 64 in

$$\angle GHJ = \frac{192.13}{64 \times \pi \times 2} \times 360 = 172^\circ$$



Radio = 8 in

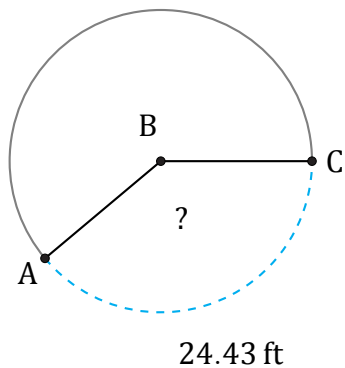
$$\widehat{RT} = \frac{128}{360} \times \pi \times 8 \times 2 = 17.87 \text{ in}$$

Amplitud y Longitud de Arcos (B)

Nombre: _____

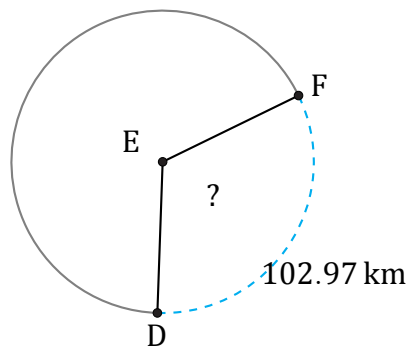
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



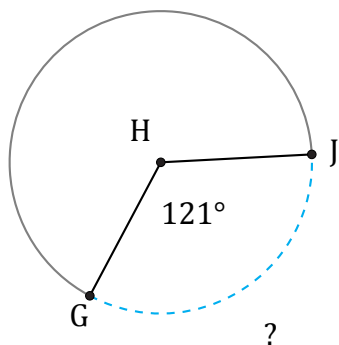
Radio = 10 ft

$\angle ABC =$



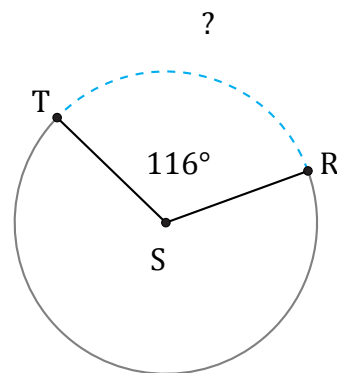
Radio = 50 km

$\angle DEF =$



Radio = 210 cm

$\widehat{Gj} =$



Radio = 362 mm

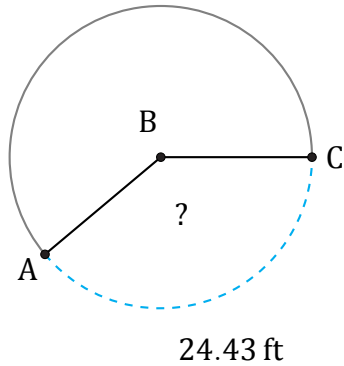
$\widehat{RT} =$

Amplitud y Longitud de Arcos (B) Respuestas

Nombre: _____

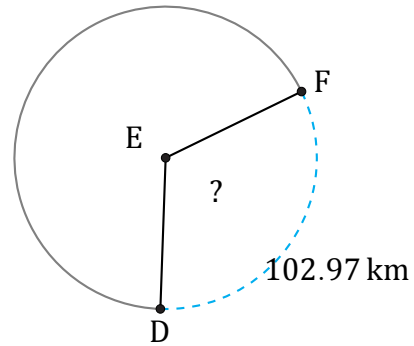
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



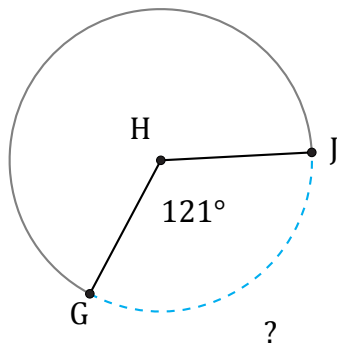
Radio = 10 ft

$$\angle ABC = \frac{24.43}{10 \times \pi \times 2} \times 360 = 140^\circ$$



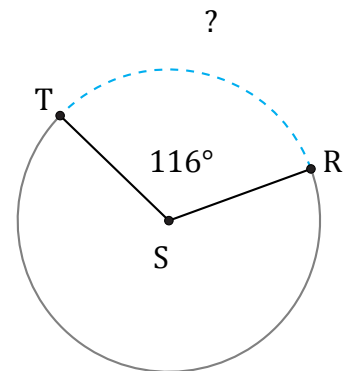
Radio = 50 km

$$\angle DEF = \frac{102.97}{50 \times \pi \times 2} \times 360 = 118^\circ$$



Radio = 210 cm

$$\widehat{GJ} = \frac{121}{360} \times \pi \times 210 \times 2 = 443.49 \text{ cm}$$



Radio = 362 mm

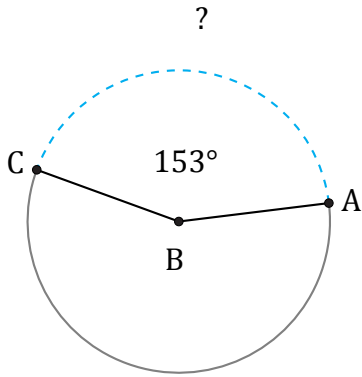
$$\widehat{RT} = \frac{116}{360} \times \pi \times 362 \times 2 = 732.9 \text{ mm}$$

Amplitud y Longitud de Arcos (C)

Nombre: _____

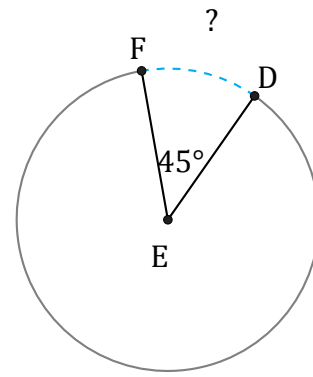
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



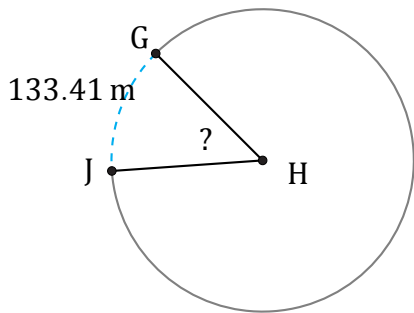
Radio = 10 mm

$\widehat{AC} =$



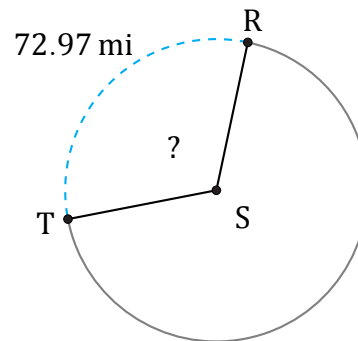
Radio = 27 ft

$\widehat{DF} =$



Radio = 156 m

$\angle GHJ =$



Radio = 37 mi

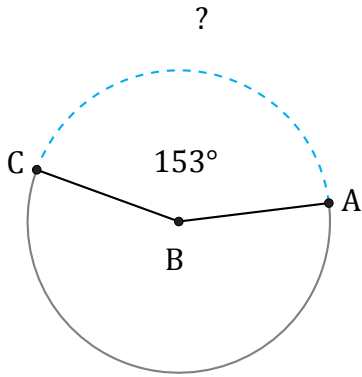
$\angle RST =$

Amplitud y Longitud de Arcos (C) Respuestas

Nombre: _____

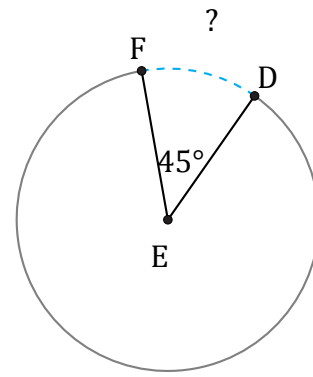
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



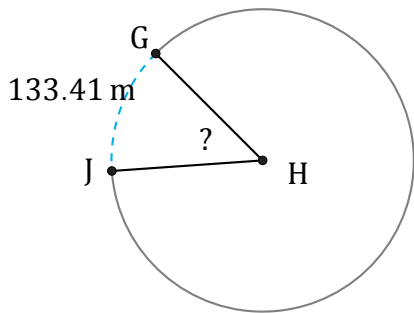
Radio = 10 mm

$$\widehat{AC} = \frac{153}{360} \times \pi \times 10 \times 2 = 26.7 \text{ mm}$$



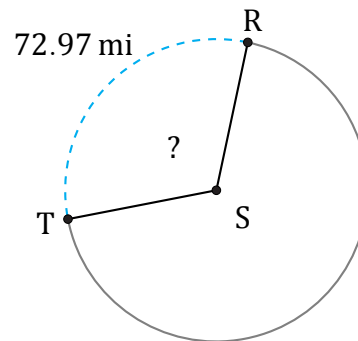
Radio = 27 ft

$$\widehat{DF} = \frac{45}{360} \times \pi \times 27 \times 2 = 21.21 \text{ ft}$$



Radio = 156 m

$$\angle GHJ = \frac{133.41}{156 \times \pi \times 2} \times 360 = 49^\circ$$



Radio = 37 mi

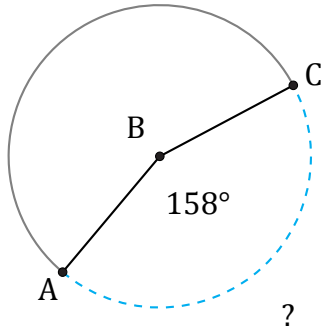
$$\angle RST = \frac{72.97}{37 \times \pi \times 2} \times 360 = 113^\circ$$

Amplitud y Longitud de Arcos (D)

Nombre: _____

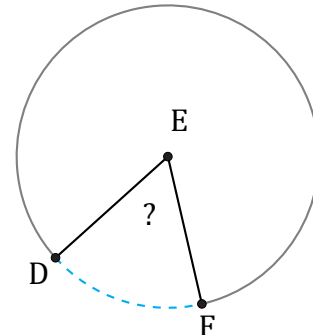
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



Radio = 10 m

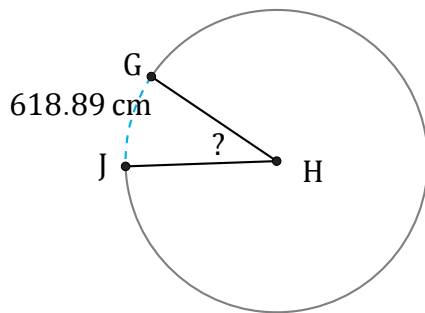
$\widehat{AC} =$



2.13 mm

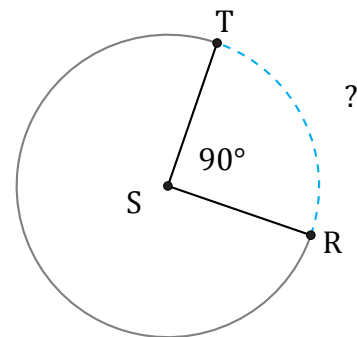
Radio = 2 mm

$\angle DEF =$



Radio = 985 cm

$\angle GHJ =$



Radio = 64 mm

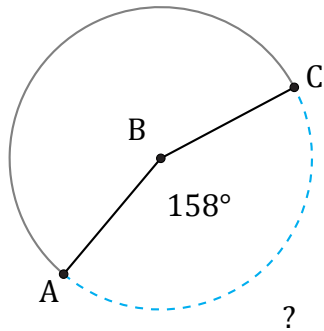
$\widehat{RT} =$

Amplitud y Longitud de Arcos (D) Respuestas

Nombre: _____

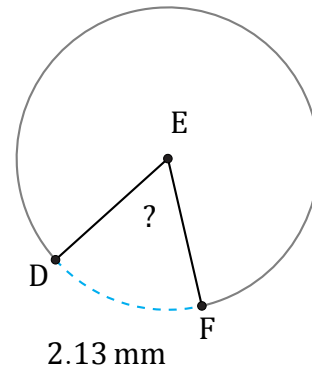
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



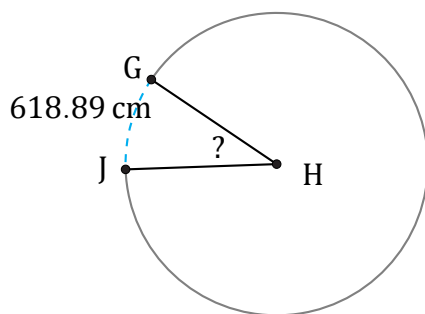
Radio = 10 m

$$\widehat{AC} = \frac{158}{360} \times \pi \times 10 \times 2 = 27.58 \text{ m}$$



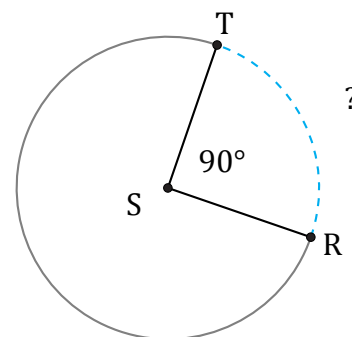
Radio = 2 mm

$$\angle DEF = \frac{2.13}{2 \times \pi \times 2} \times 360 = 61^\circ$$



Radio = 985 cm

$$\angle GHJ = \frac{618.89}{985 \times \pi \times 2} \times 360 = 36^\circ$$



Radio = 64 mm

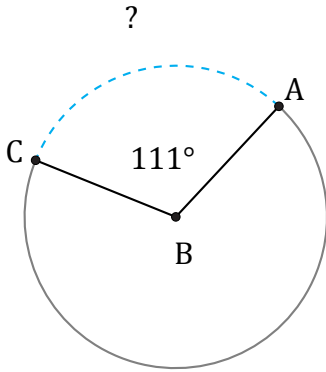
$$\widehat{RT} = \frac{90}{360} \times \pi \times 64 \times 2 = 100.53 \text{ mm}$$

Amplitud y Longitud de Arcos (E)

Nombre: _____

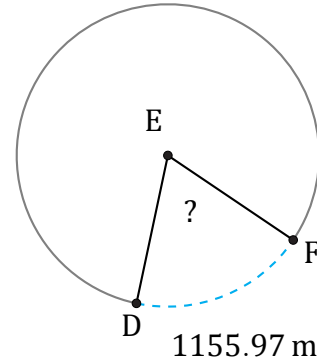
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



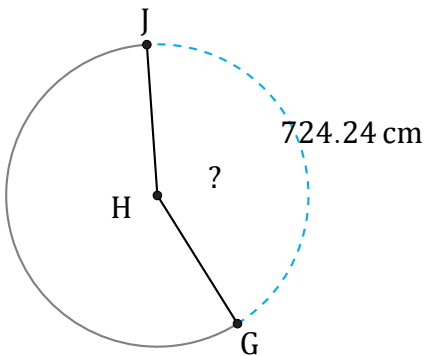
Radio = 44 in

$\widehat{AC} =$



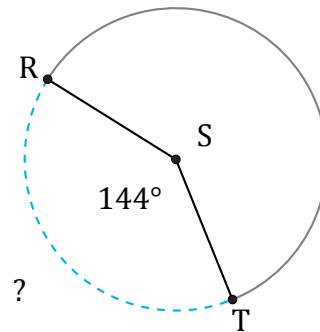
Radio = 974 m

$\angle DEF =$



Radio = 273 cm

$\angle GHJ =$



Radio = 8 AU

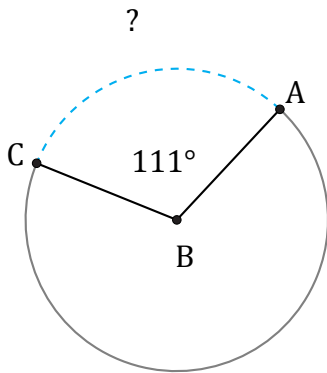
$\widehat{RT} =$

Amplitud y Longitud de Arcos (E) Respuestas

Nombre: _____

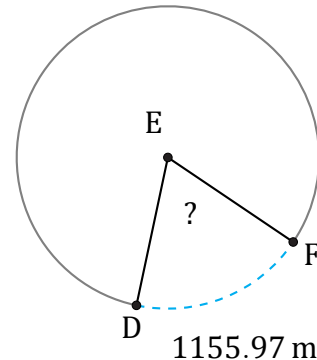
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



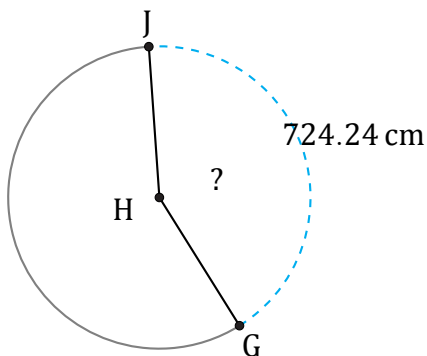
Radio = 44 in

$$\widehat{AC} = \frac{111}{360} \times \pi \times 44 \times 2 = 85.24 \text{ in}$$



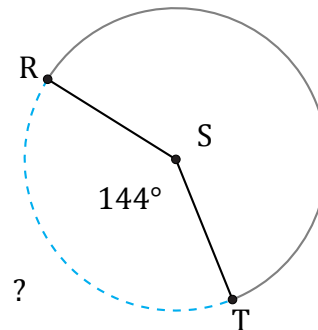
Radio = 974 m

$$\angle DEF = \frac{1155.97}{974 \times \pi \times 2} \times 360 = 68^\circ$$



Radio = 273 cm

$$\angle GHJ = \frac{724.24}{273 \times \pi \times 2} \times 360 = 152^\circ$$



Radio = 8 AU

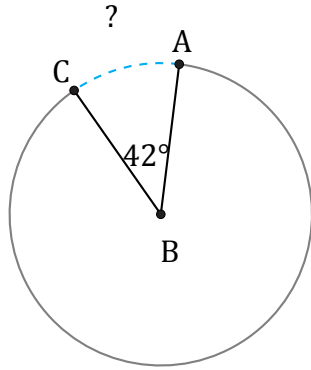
$$\widehat{RT} = \frac{144}{360} \times \pi \times 8 \times 2 = 20.11 \text{ AU}$$

Amplitud y Longitud de Arcos (F)

Nombre: _____

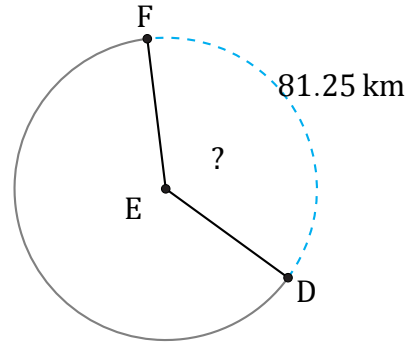
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



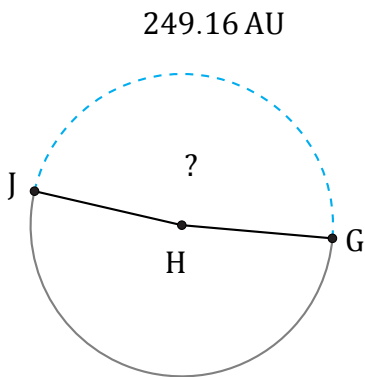
Radio = 2 in

$\widehat{AC} =$



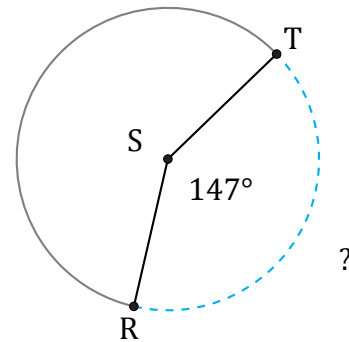
Radio = 35 km

$\angle DEF =$



Radio = 83 AU

$\angle GHJ =$



Radio = 39 in

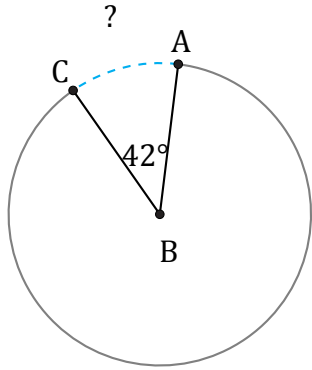
$\widehat{RT} =$

Amplitud y Longitud de Arcos (F) Respuestas

Nombre: _____

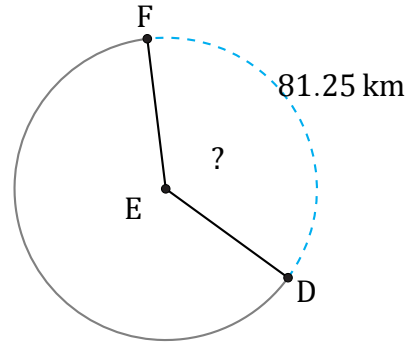
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



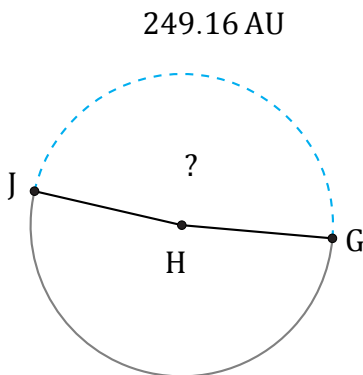
Radio = 2 in

$$\widehat{AC} = \frac{42}{360} \times \pi \times 2 \times 2 = 1.47 \text{ in}$$



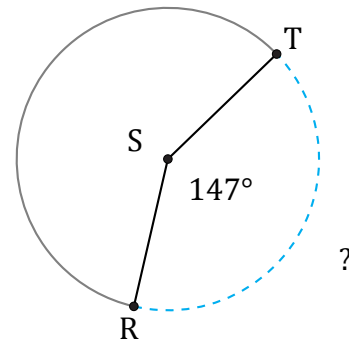
Radio = 35 km

$$\angle DEF = \frac{81.25}{35 \times \pi \times 2} \times 360 = 133^\circ$$



Radio = 83 AU

$$\angle GHJ = \frac{249.16}{83 \times \pi \times 2} \times 360 = 172^\circ$$



Radio = 39 in

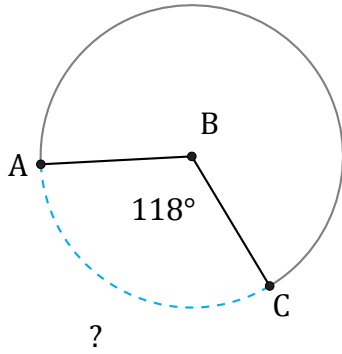
$$\widehat{RT} = \frac{147}{360} \times \pi \times 39 \times 2 = 100.06 \text{ in}$$

Amplitud y Longitud de Arcos (G)

Nombre: _____

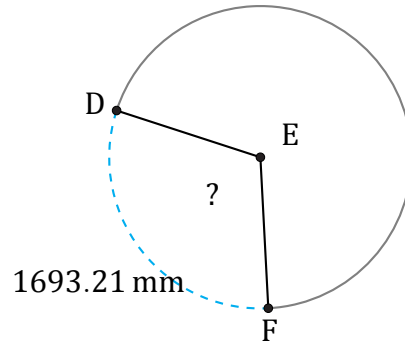
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



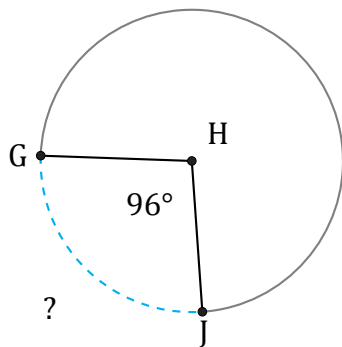
Radio = 706 mi

$\widehat{AC} =$



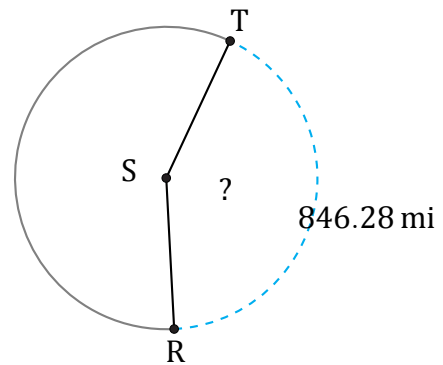
Radio = 874 mm

$\angle DEF =$



Radio = 5 km

$\widehat{GJ} =$



Radio = 319 mi

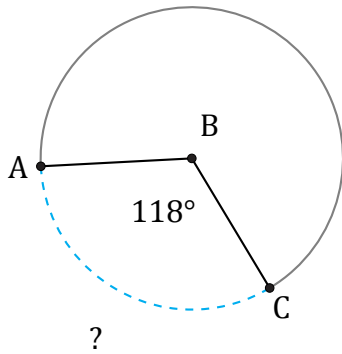
$\angle RST =$

Amplitud y Longitud de Arcos (G) Respuestas

Nombre: _____

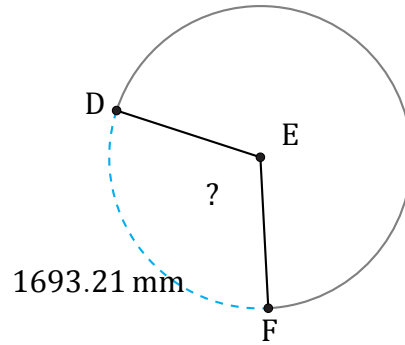
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



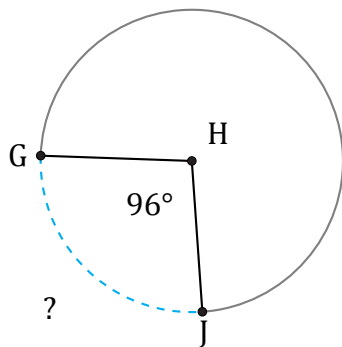
Radio = 706 mi

$$\widehat{AC} = \frac{118}{360} \times \pi \times 706 \times 2 = 1454 \text{ mi}$$



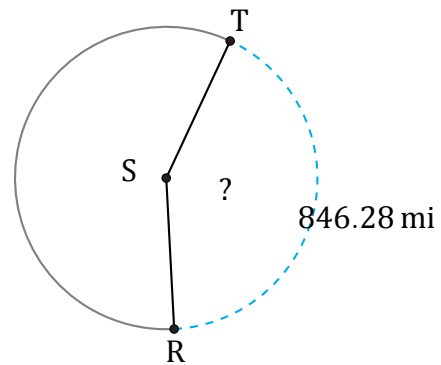
Radio = 874 mm

$$\angle DEF = \frac{1693.21}{874 \times \pi \times 2} \times 360 = 111^\circ$$



Radio = 5 km

$$\widehat{GJ} = \frac{96}{360} \times \pi \times 5 \times 2 = 8.38 \text{ km}$$



Radio = 319 mi

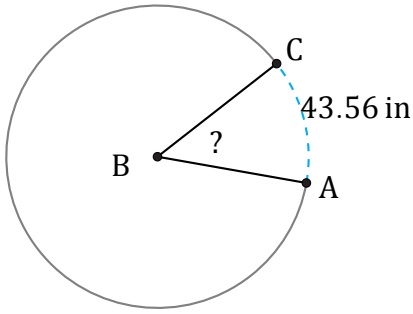
$$\angle RST = \frac{846.28}{319 \times \pi \times 2} \times 360 = 152^\circ$$

Amplitud y Longitud de Arcos (H)

Nombre: _____

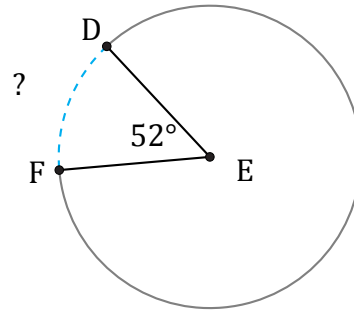
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



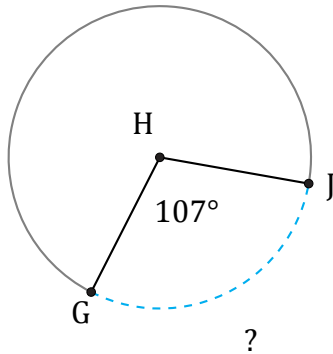
Radio = 52 in

$\angle ABC =$



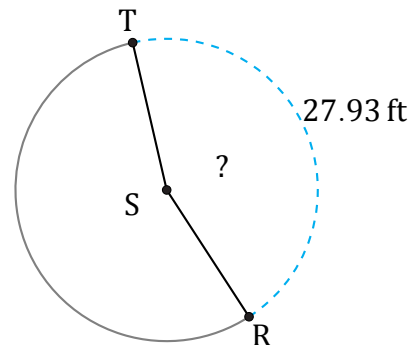
Radio = 1 mi

$\widehat{DF} =$



Radio = 65 in

$\widehat{GJ} =$



Radio = 10 ft

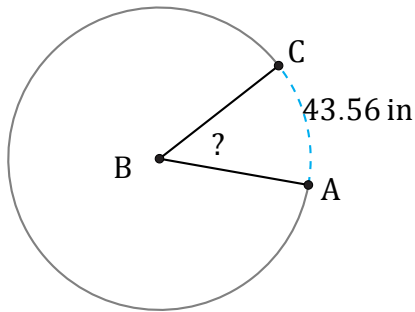
$\angle RST =$

Amplitud y Longitud de Arcos (H) Respuestas

Nombre: _____

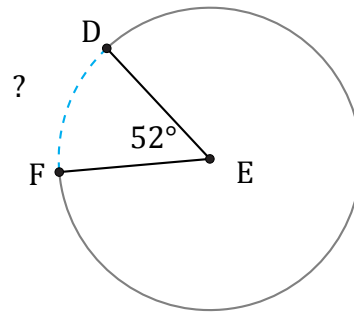
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



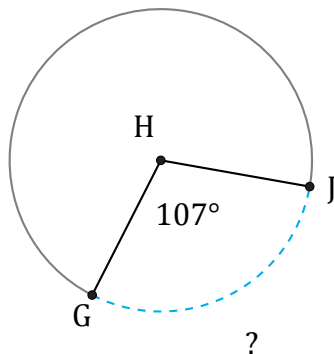
Radio = 52 in

$$\angle ABC = \frac{43.56}{52 \times \pi \times 2} \times 360 = 48^\circ$$



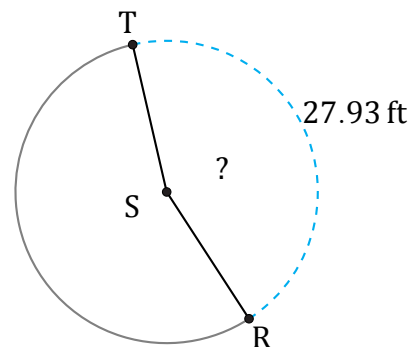
Radio = 1 mi

$$\widehat{DF} = \frac{52}{360} \times \pi \times 1 \times 2 = 0.91 \text{ mi}$$



Radio = 65 in

$$\widehat{GJ} = \frac{107}{360} \times \pi \times 65 \times 2 = 121.39 \text{ in}$$



Radio = 10 ft

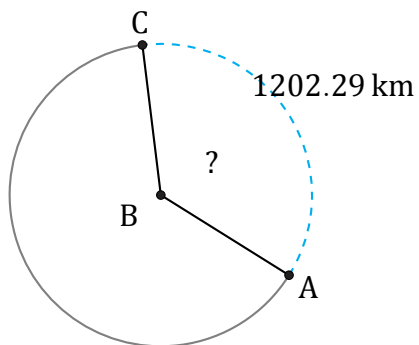
$$\angle RST = \frac{27.93}{10 \times \pi \times 2} \times 360 = 160^\circ$$

Amplitud y Longitud de Arcos (I)

Nombre: _____

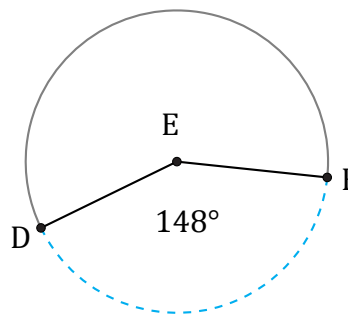
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



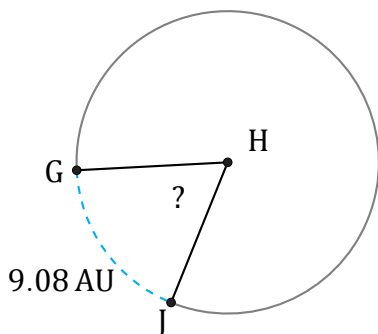
Radio = 534 km

$\angle ABC =$



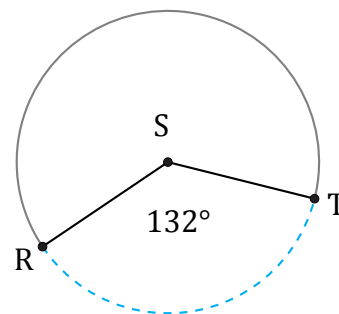
Radio = 748 mi

$\widehat{DF} =$



Radio = 8 AU

$\angle GHJ =$



Radio = 6 in

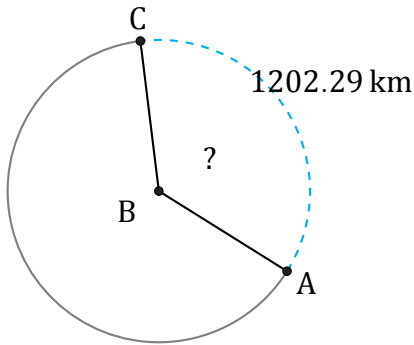
$\widehat{RT} =$

Amplitud y Longitud de Arcos (I) Respuestas

Nombre: _____

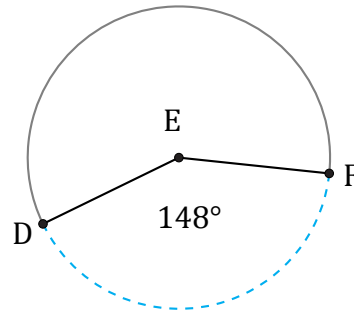
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



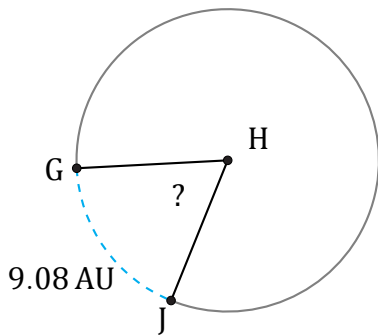
Radio = 534 km

$$\angle ABC = \frac{1202.29}{534 \times \pi \times 2} \times 360 = 129^\circ$$



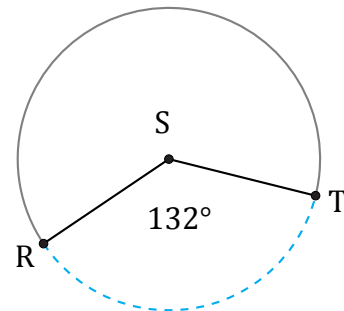
Radio = 748 mi

$$\widehat{DF} = \frac{148}{360} \times \pi \times 748 \times 2 = 1932.15 \text{ mi}$$



Radio = 8 AU

$$\angle GHJ = \frac{9.08}{8 \times \pi \times 2} \times 360 = 65^\circ$$



Radio = 6 in

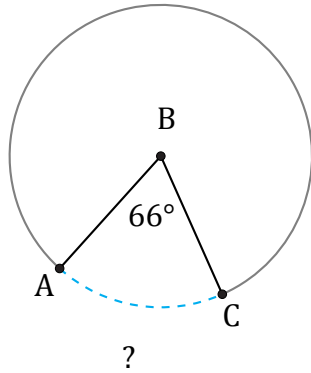
$$\widehat{RT} = \frac{132}{360} \times \pi \times 6 \times 2 = 13.82 \text{ in}$$

Amplitud y Longitud de Arcos (J)

Nombre: _____

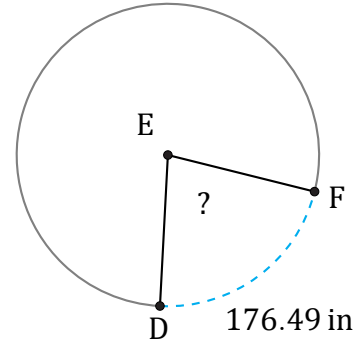
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



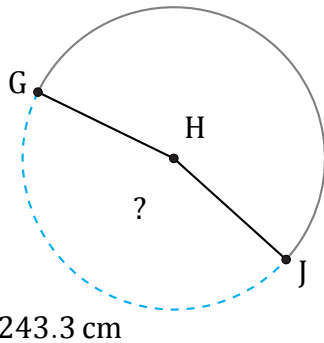
Radio = 952 mm

$\widehat{AC} =$



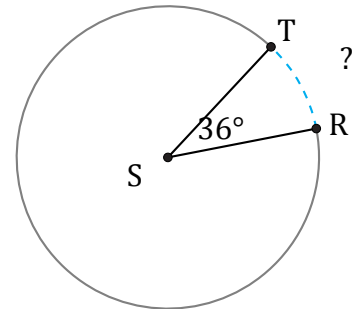
Radio = 128 in

$\angle DEF =$



Radio = 85 cm

$\angle GHJ =$



Radio = 920 mi

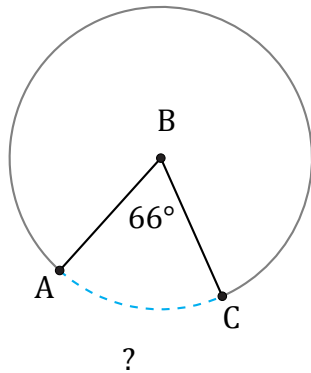
$\widehat{RT} =$

Amplitud y Longitud de Arcos (J) Respuestas

Nombre: _____

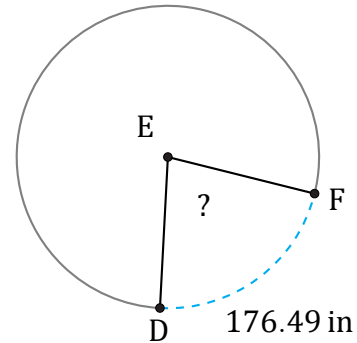
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



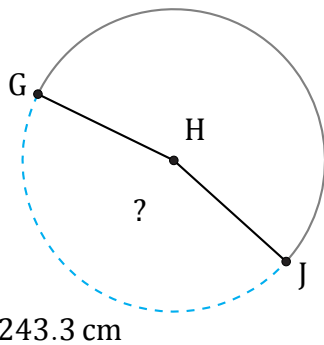
Radio = 952 mm

$$\widehat{AC} = \frac{66}{360} \times \pi \times 952 \times 2 = 1096.63 \text{ mm}$$



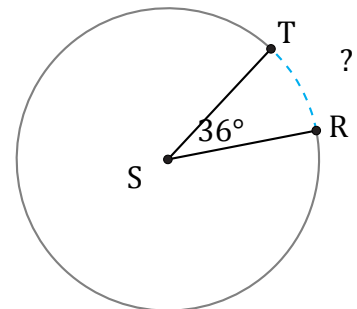
Radio = 128 in

$$\angle DEF = \frac{176.49}{128 \times \pi \times 2} \times 360 = 79^\circ$$



Radio = 85 cm

$$\angle GHJ = \frac{243.3}{85 \times \pi \times 2} \times 360 = 164^\circ$$



Radio = 920 mi

$$\widehat{RT} = \frac{36}{360} \times \pi \times 920 \times 2 = 578.05 \text{ mi}$$