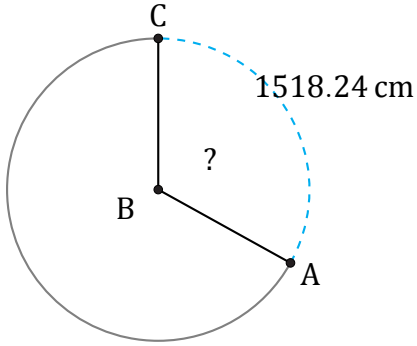


Amplitud y Longitud de Arcos (A)

Nombre: _____

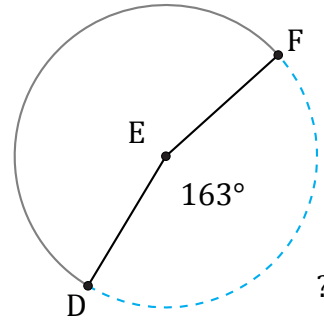
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



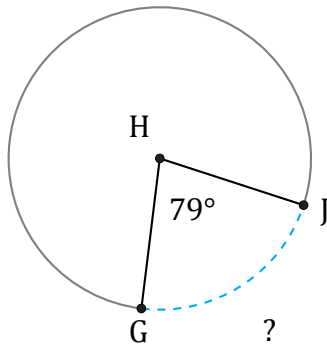
Diámetro = 1462 cm

$\angle ABC =$



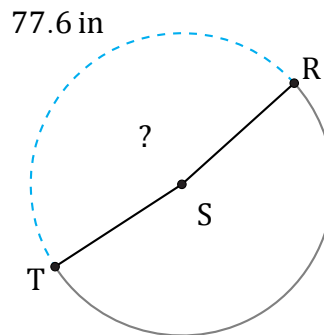
Radio = 2 mm

$\widehat{DF} =$



Diámetro = 364 in

$\widehat{GJ} =$



Radio = 26 in

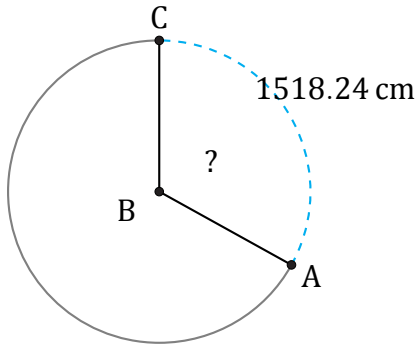
$\angle RST =$

Amplitud y Longitud de Arcos (A) Respuestas

Nombre: _____

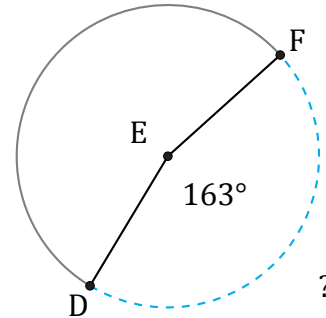
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



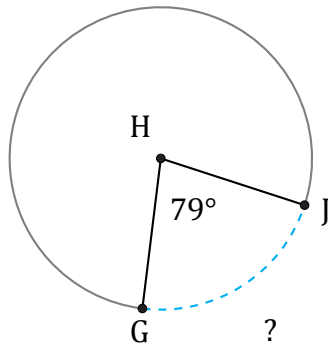
Diámetro = 1462 cm

$$\angle ABC = \frac{1518.24}{1462 \times \pi} \times 360 = 119^\circ$$



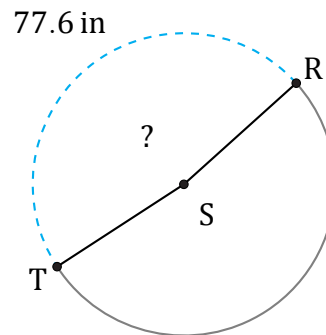
Radio = 2 mm

$$\widehat{DF} = \frac{163}{360} \times \pi \times 2 \times 2 = 5.69 \text{ mm}$$



Diámetro = 364 in

$$\widehat{GJ} = \frac{79}{360} \times \pi \times 364 = 250.94 \text{ in}$$



Radio = 26 in

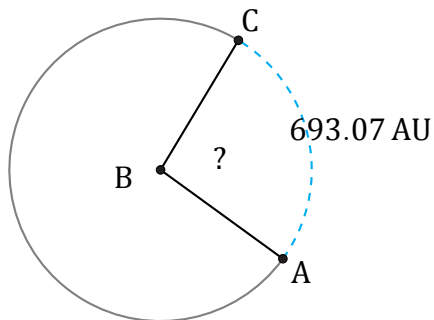
$$\angle RST = \frac{77.6}{26 \times \pi \times 2} \times 360 = 171^\circ$$

Amplitud y Longitud de Arcos (B)

Nombre: _____

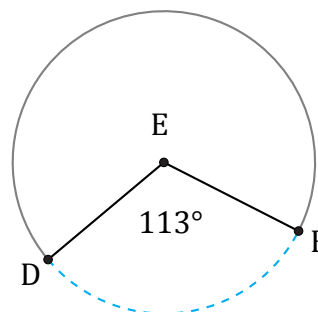
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



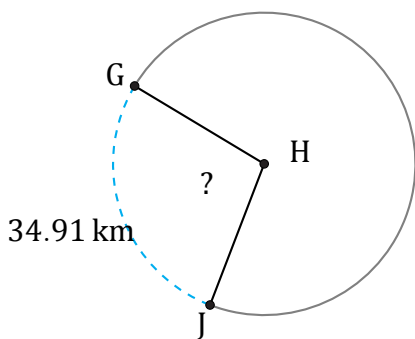
Radio = 418 AU

∠ABC =



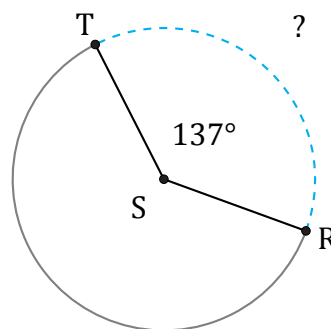
Radio = 4 km

\widehat{DF} =



Diámetro = 40 km

∠GHJ =



Diámetro = 218 m

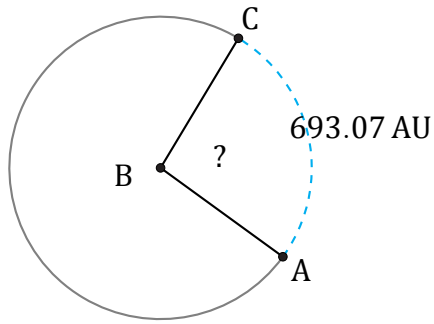
\widehat{RT} =

Amplitud y Longitud de Arcos (B) Respuestas

Nombre: _____

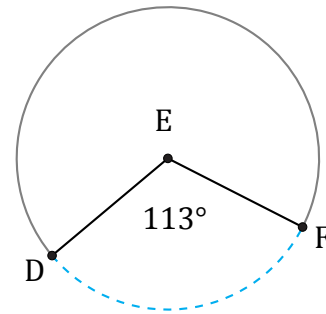
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



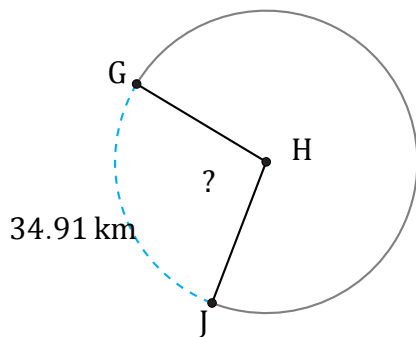
Radio = 418 AU

$$\angle ABC = \frac{693.07}{418 \times \pi \times 2} \times 360 = 95^\circ$$



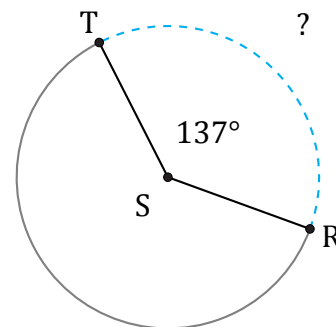
Radio = 4 km

$$\widehat{DF} = \frac{113}{360} \times \pi \times 4 \times 2 = 7.89 \text{ km}$$



Diámetro = 40 km

$$\angle GHJ = \frac{34.91}{40 \times \pi} \times 360 = 100^\circ$$



Diámetro = 218 m

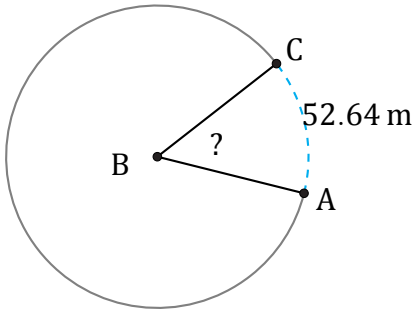
$$\widehat{RT} = \frac{137}{360} \times \pi \times 218 = 260.63 \text{ m}$$

Amplitud y Longitud de Arcos (C)

Nombre: _____

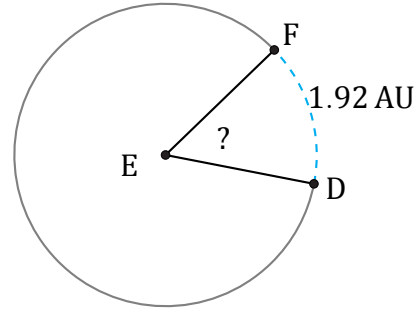
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



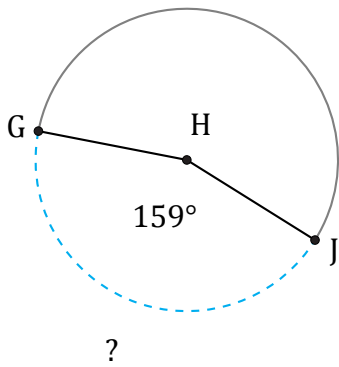
Diámetro = 116 m

$\angle ABC =$



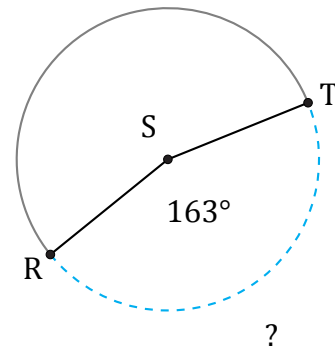
Radio = 2 AU

$\angle DEF =$



Diámetro = 918 m

$\widehat{GJ} =$



Radio = 25 in

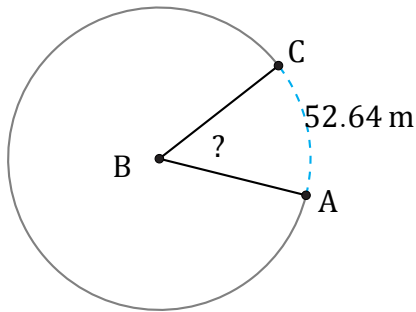
$\widehat{RT} =$

Amplitud y Longitud de Arcos (C) Respuestas

Nombre: _____

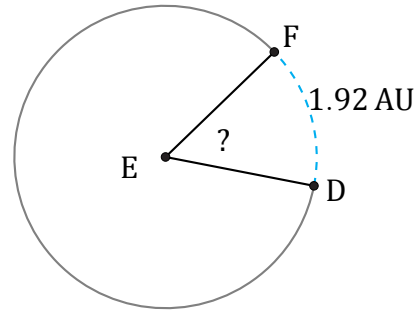
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



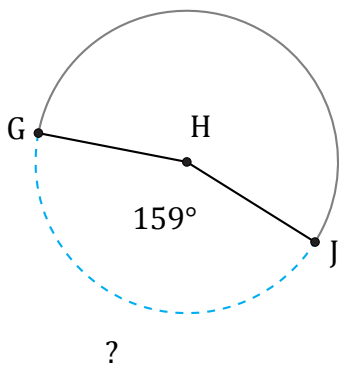
Diámetro = 116 m

$$\angle ABC = \frac{52.64}{116 \times \pi} \times 360 = 52^\circ$$



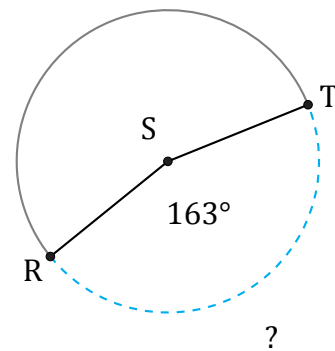
Radio = 2 AU

$$\angle DEF = \frac{1.92}{2 \times \pi \times 2} \times 360 = 55^\circ$$



Diámetro = 918 m

$$\widehat{GJ} = \frac{159}{360} \times \pi \times 918 = 1273.76 \text{ m}$$



Radio = 25 in

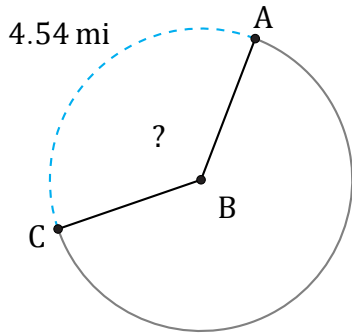
$$\widehat{RT} = \frac{163}{360} \times \pi \times 25 \times 2 = 71.12 \text{ in}$$

Amplitud y Longitud de Arcos (D)

Nombre: _____

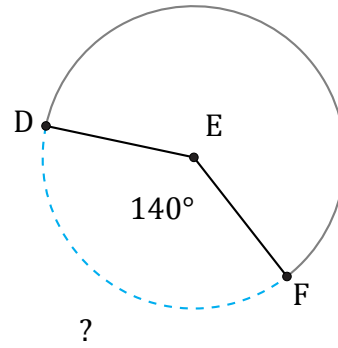
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



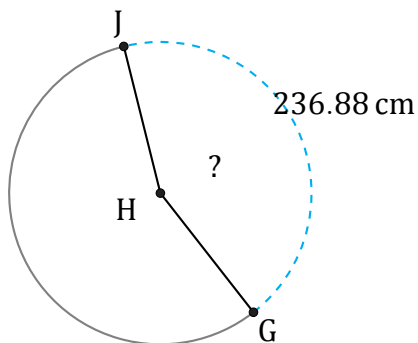
Diámetro = 4 mi

$\angle ABC =$



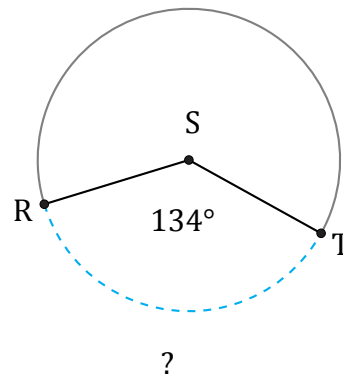
Radio = 10 mm

$\widehat{DF} =$



Diámetro = 174 cm

$\angle GHJ =$



Radio = 719 mi

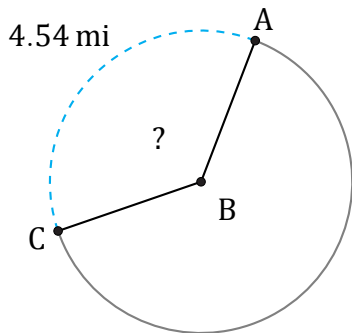
$\widehat{RT} =$

Amplitud y Longitud de Arcos (D) Respuestas

Nombre: _____

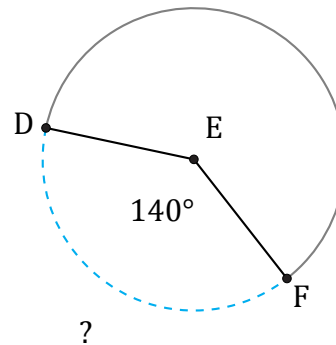
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



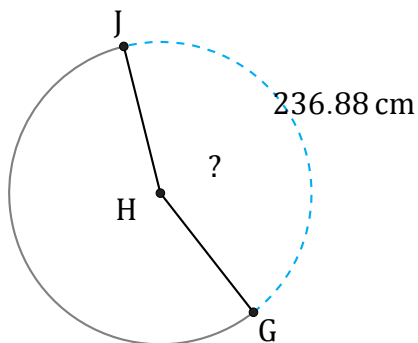
Diámetro = 4 mi

$$\angle ABC = \frac{4.54}{4 \times \pi} \times 360 = 130.1^\circ$$



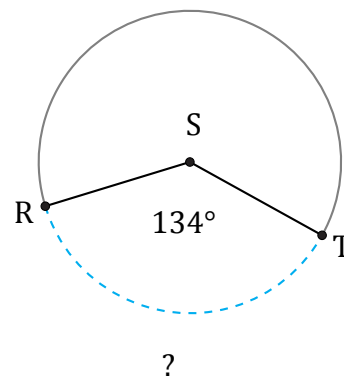
Radio = 10 mm

$$\widehat{DF} = \frac{140}{360} \times \pi \times 10 \times 2 = 24.43 \text{ mm}$$



Diámetro = 174 cm

$$\angle GHJ = \frac{236.88}{174 \times \pi} \times 360 = 156^\circ$$



Radio = 719 mi

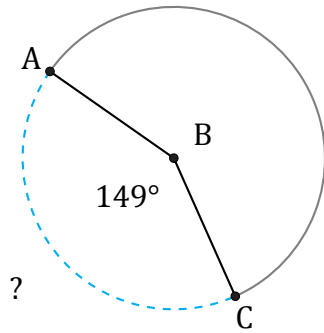
$$\widehat{RT} = \frac{134}{360} \times \pi \times 719 \times 2 = 1681.55 \text{ mi}$$

Amplitud y Longitud de Arcos (E)

Nombre: _____

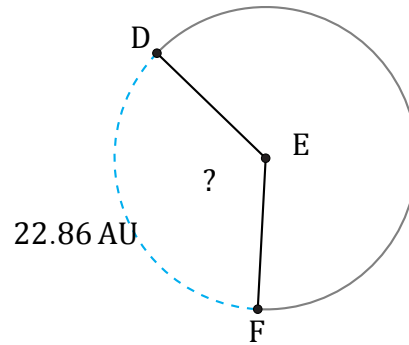
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



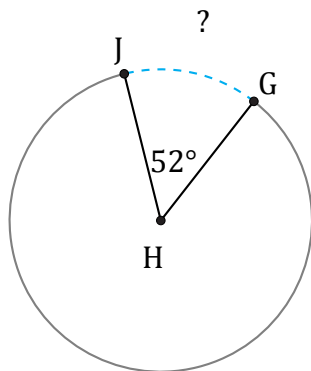
Radio = 9 mi

$\widehat{AC} =$



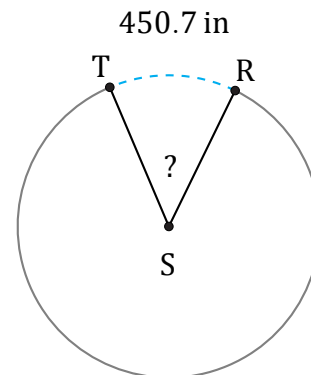
Diámetro = 20 AU

$\angle DEF =$



Diámetro = 16 ft

$\widehat{GJ} =$



Radio = 527 in

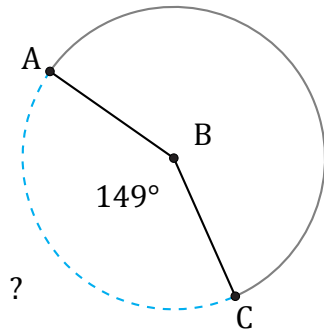
$\angle RST =$

Amplitud y Longitud de Arcos (E) Respuestas

Nombre: _____

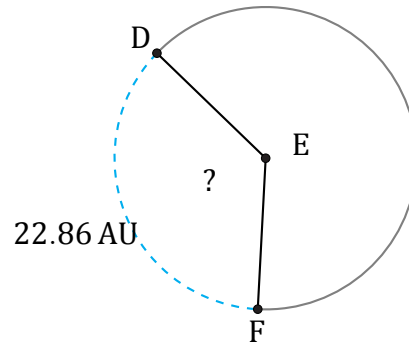
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



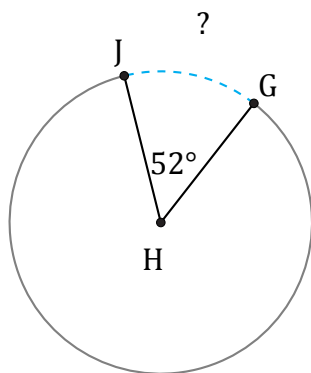
Radio = 9 mi

$$\widehat{AC} = \frac{149}{360} \times \pi \times 9 \times 2 = 23.4 \text{ mi}$$



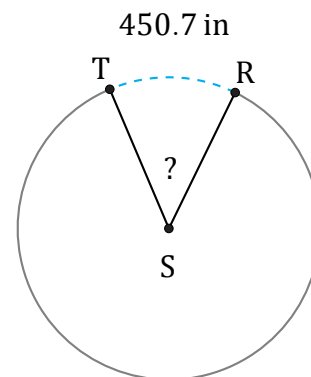
Diámetro = 20 AU

$$\angle DEF = \frac{22.86}{20 \times \pi} \times 360 = 131^\circ$$



Diámetro = 16 ft

$$\widehat{GJ} = \frac{52}{360} \times \pi \times 16 = 7.26 \text{ ft}$$



Radio = 527 in

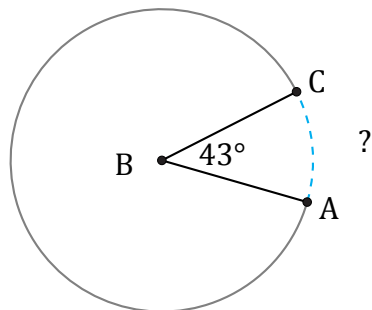
$$\angle RST = \frac{450.7}{527 \times \pi \times 2} \times 360 = 49^\circ$$

Amplitud y Longitud de Arcos (F)

Nombre: _____

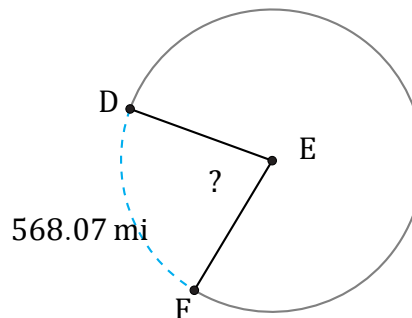
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



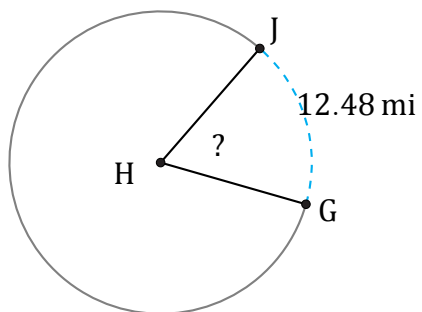
Diámetro = 6 AU

$\widehat{AC} =$



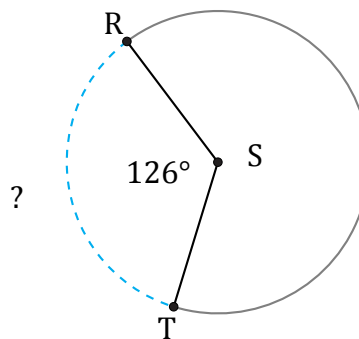
Radio = 412 mi

$\angle DEF =$



Diámetro = 22 mi

$\angle GHJ =$



Radio = 207 mi

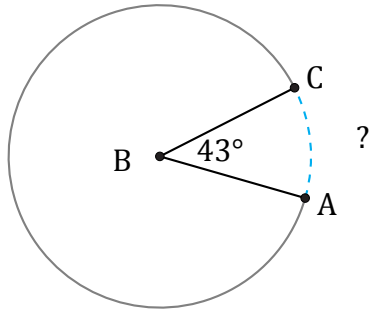
$\widehat{RT} =$

Amplitud y Longitud de Arcos (F) Respuestas

Nombre: _____

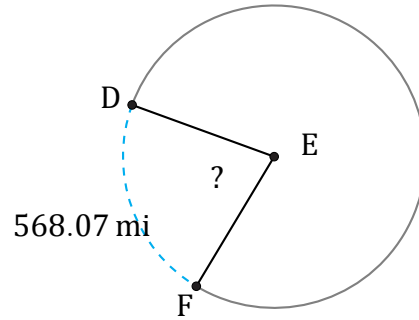
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



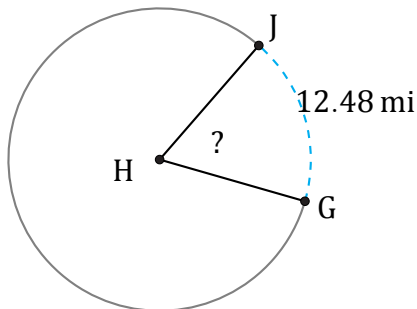
Diámetro = 6 AU

$$\widehat{AC} = \frac{43}{360} \times \pi \times 6 = 2.25 \text{ AU}$$



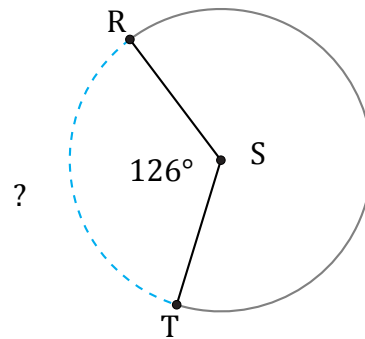
Radio = 412 mi

$$\angle DEF = \frac{568.07}{412 \times \pi \times 2} \times 360 = 79^\circ$$



Diámetro = 22 mi

$$\angle GHJ = \frac{12.48}{22 \times \pi} \times 360 = 65^\circ$$



Radio = 207 mi

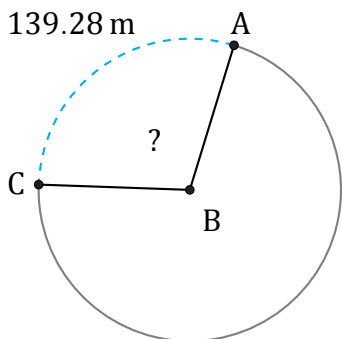
$$\widehat{RT} = \frac{126}{360} \times \pi \times 207 \times 2 = 455.22 \text{ mi}$$

Amplitud y Longitud de Arcos (G)

Nombre: _____

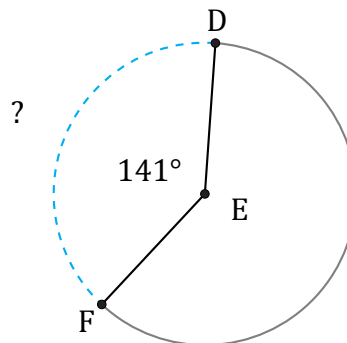
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



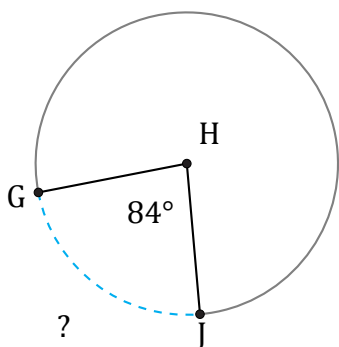
Diámetro = 152 m

$\angle ABC =$



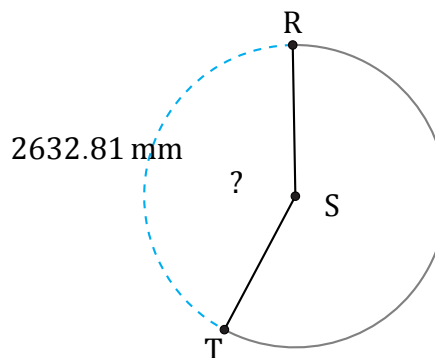
Radio = 7 AU

$\widehat{DF} =$



Diámetro = 10 AU

$\widehat{GJ} =$



Radio = 999 mm

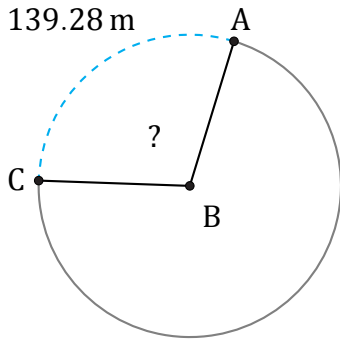
$\angle RST =$

Amplitud y Longitud de Arcos (G) Respuestas

Nombre: _____

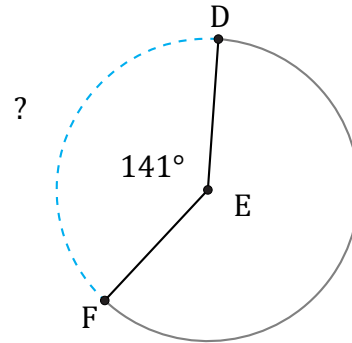
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



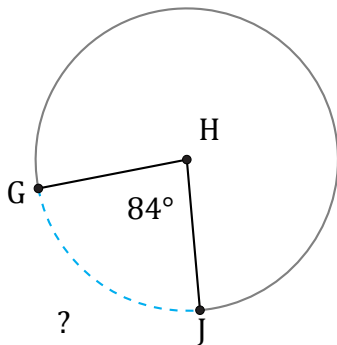
Diámetro = 152 m

$$\angle ABC = \frac{139.28}{152 \times \pi} \times 360 = 105^\circ$$



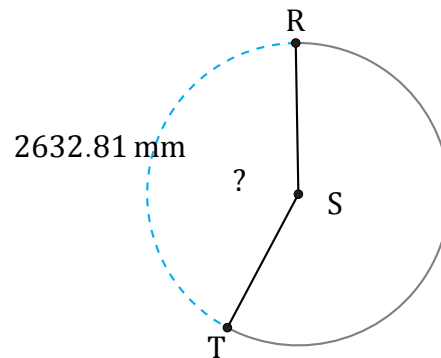
Radio = 7 AU

$$\widehat{DF} = \frac{141}{360} \times \pi \times 7 \times 2 = 17.23 \text{ AU}$$



Diámetro = 10 AU

$$\widehat{GJ} = \frac{84}{360} \times \pi \times 10 = 7.33 \text{ AU}$$



Radio = 999 mm

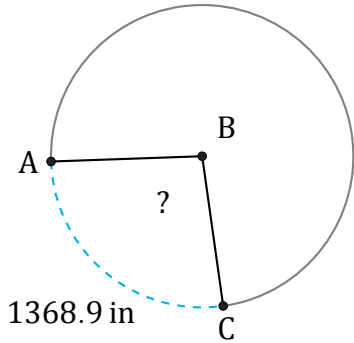
$$\angle RST = \frac{2632.81}{999 \times \pi \times 2} \times 360 = 151^\circ$$

Amplitud y Longitud de Arcos (H)

Nombre: _____

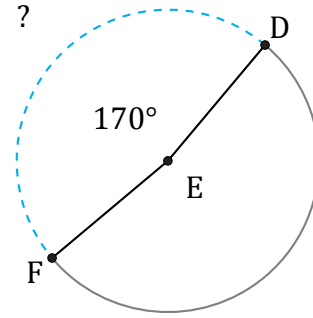
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



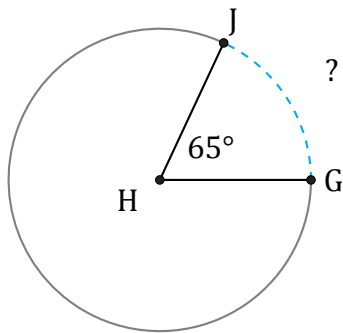
Radio = 817 in

$\angle ABC =$



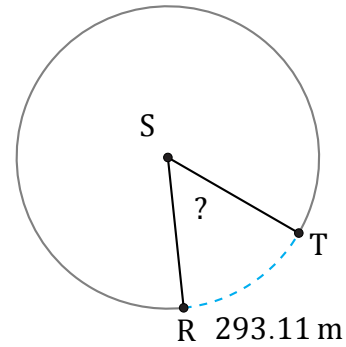
Diámetro = 4 km

$\widehat{DF} =$



Diámetro = 1836 AU

$\widehat{GJ} =$



Radio = 311 m

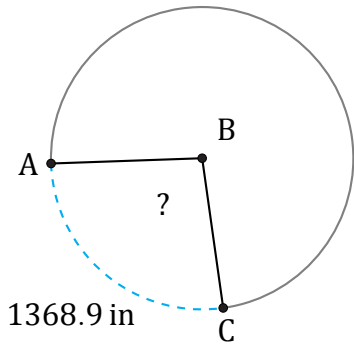
$\angle RST =$

Amplitud y Longitud de Arcos (H) Respuestas

Nombre: _____

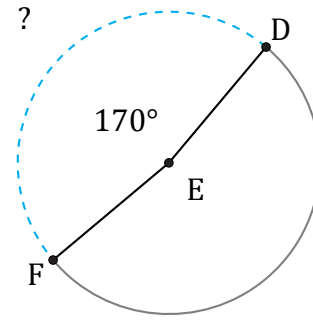
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



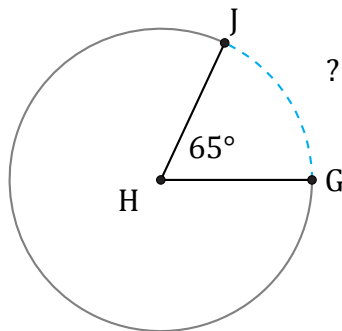
Radio = 817 in

$$\angle ABC = \frac{1368.9}{817 \times \pi \times 2} \times 360 = 96^\circ$$



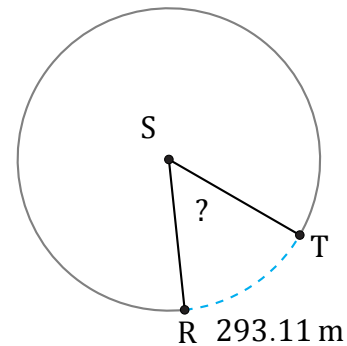
Diámetro = 4 km

$$\widehat{DF} = \frac{170}{360} \times \pi \times 4 = 5.93 \text{ km}$$



Diámetro = 1836 AU

$$\widehat{GJ} = \frac{65}{360} \times \pi \times 1836 = 1041.44 \text{ AU}$$



Radio = 311 m

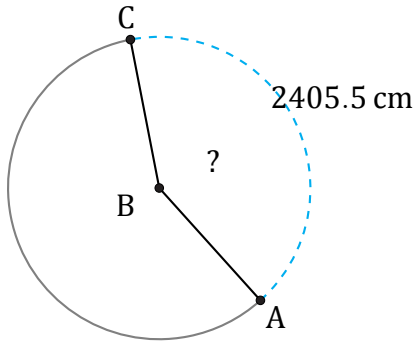
$$\angle RST = \frac{293.11}{311 \times \pi \times 2} \times 360 = 54^\circ$$

Amplitud y Longitud de Arcos (I)

Nombre: _____

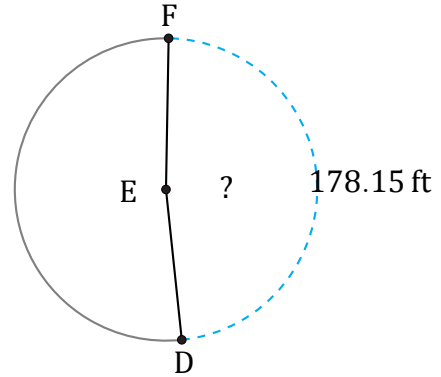
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



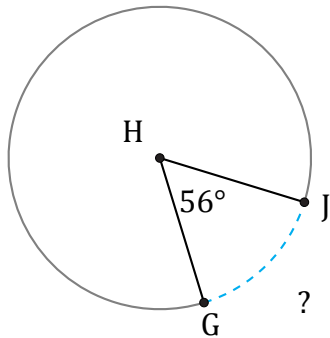
Diámetro = 1850 cm

$\angle ABC =$



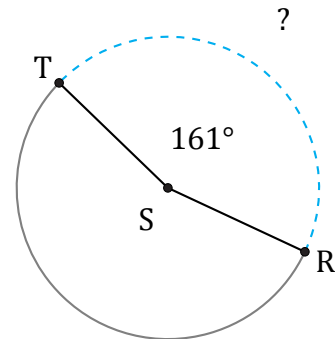
Radio = 59 ft

$\angle DEF =$



Radio = 4 cm

$\widehat{GJ} =$



Diámetro = 158 in

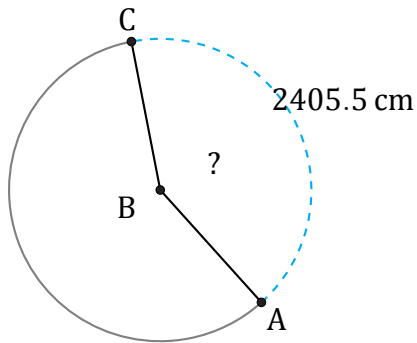
$\widehat{RT} =$

Amplitud y Longitud de Arcos (I) Respuestas

Nombre: _____

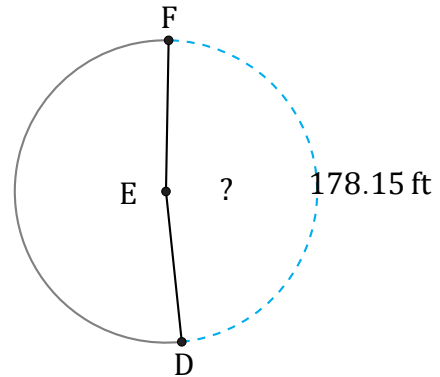
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



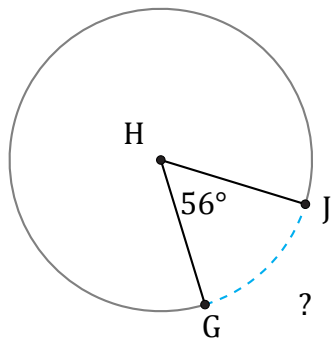
Diámetro = 1850 cm

$$\angle ABC = \frac{2405.5}{1850 \times \pi} \times 360 = 149^\circ$$



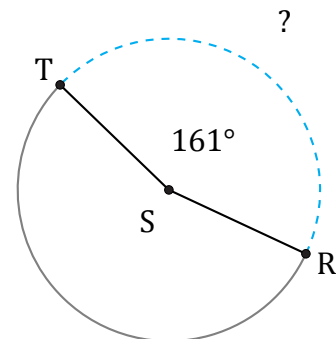
Radio = 59 ft

$$\angle DEF = \frac{178.15}{59 \times \pi \times 2} \times 360 = 173^\circ$$



Radio = 4 cm

$$\widehat{GJ} = \frac{56}{360} \times \pi \times 4 \times 2 = 3.91 \text{ cm}$$



Diámetro = 158 in

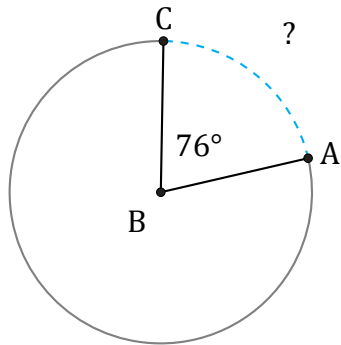
$$\widehat{RT} = \frac{161}{360} \times \pi \times 158 = 221.99 \text{ in}$$

Amplitud y Longitud de Arcos (J)

Nombre: _____

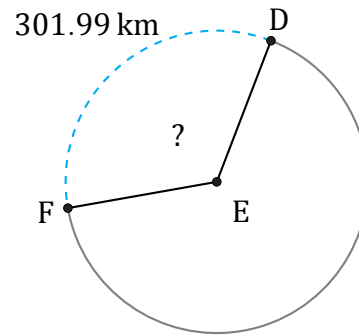
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



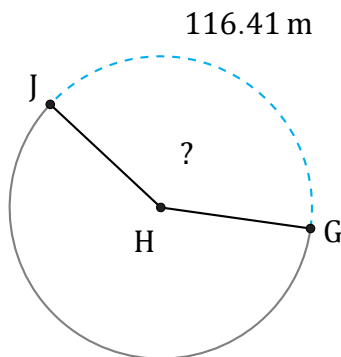
Radio = 27 km

$\widehat{AC} =$



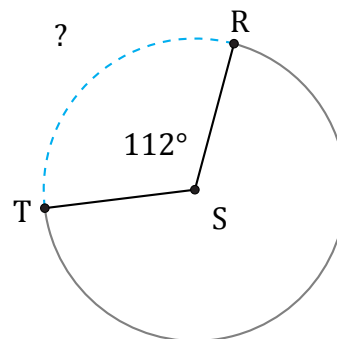
Diámetro = 286 km

$\angle DEF =$



Diámetro = 92 m

$\angle GHJ =$



Radio = 3 km

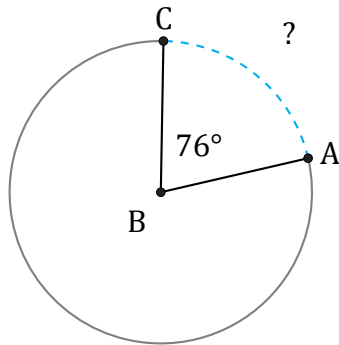
$\widehat{RT} =$

Amplitud y Longitud de Arcos (J) Respuestas

Nombre: _____

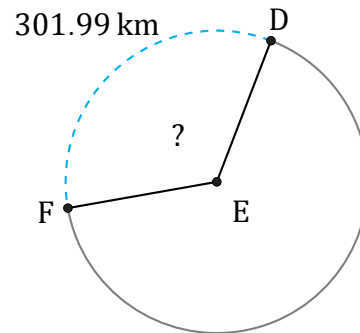
Fecha: _____

Calcule la amplitud angular o la longitud de cada arco.



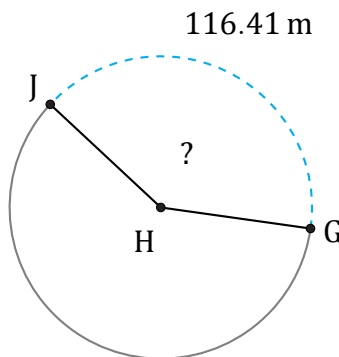
Radio = 27 km

$$\widehat{AC} = \frac{76}{360} \times \pi \times 27 \times 2 = 35.81 \text{ km}$$



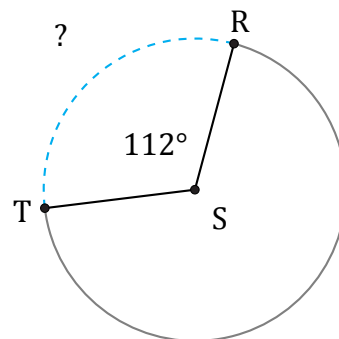
Diámetro = 286 km

$$\angle DEF = \frac{301.99}{286 \times \pi} \times 360 = 121^\circ$$



Diámetro = 92 m

$$\angle GHJ = \frac{116.41}{92 \times \pi} \times 360 = 145^\circ$$



Radio = 3 km

$$\widehat{RT} = \frac{112}{360} \times \pi \times 3 \times 2 = 5.86 \text{ km}$$