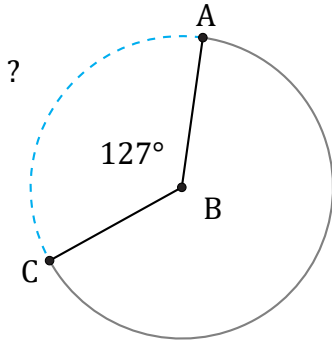


# Arc Length (A)

Name: \_\_\_\_\_

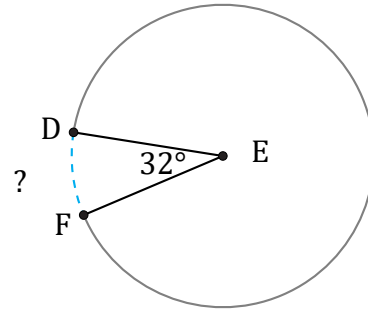
Date: \_\_\_\_\_

Calculate each arc length.



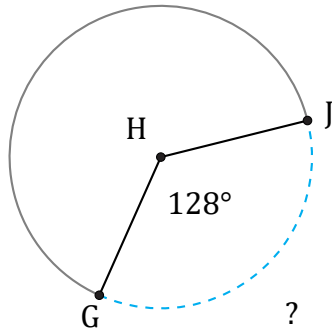
Diameter = 118 cm

$\widehat{AC} =$



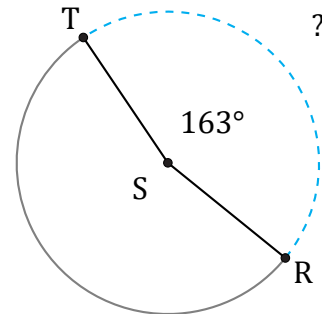
Diameter = 190 AU

$\widehat{DF} =$



Diameter = 20 m

$\widehat{GJ} =$



Diameter = 16 m

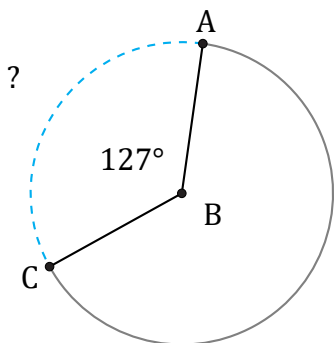
$\widehat{RT} =$

# Arc Length (A) Answers

Name: \_\_\_\_\_

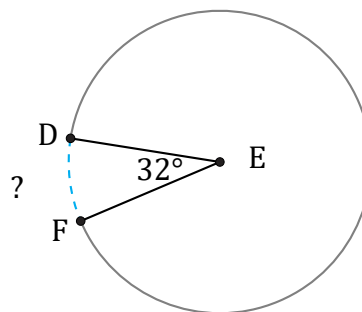
Date: \_\_\_\_\_

Calculate each arc length.



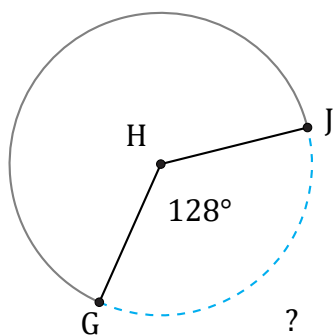
Diameter = 118 cm

$$\widehat{AC} = \frac{127}{360} \times \pi \times 118 = 130.78 \text{ cm}$$



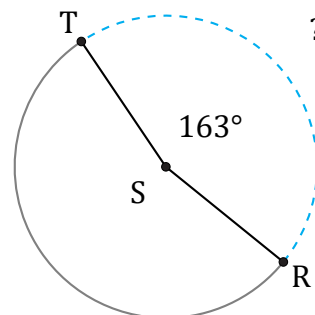
Diameter = 190 AU

$$\widehat{DF} = \frac{32}{360} \times \pi \times 190 = 53.06 \text{ AU}$$



Diameter = 20 m

$$\widehat{GJ} = \frac{128}{360} \times \pi \times 20 = 22.34 \text{ m}$$



Diameter = 16 m

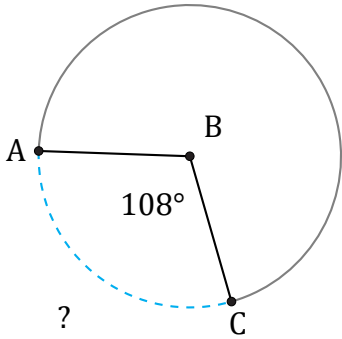
$$\widehat{RT} = \frac{163}{360} \times \pi \times 16 = 22.76 \text{ m}$$

# Arc Length (B)

Name: \_\_\_\_\_

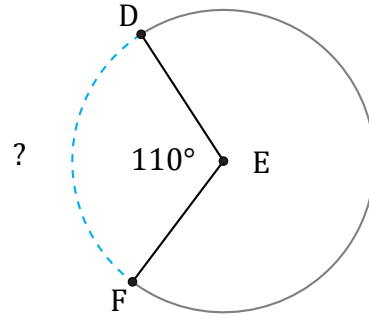
Date: \_\_\_\_\_

Calculate each arc length.



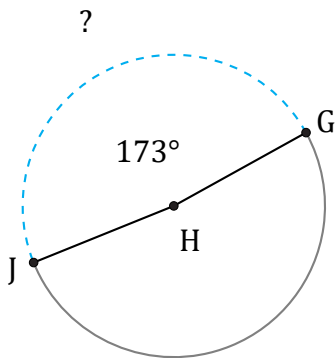
Diameter = 108 in

$\widehat{AC} =$



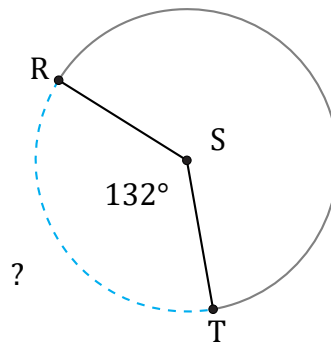
Diameter = 12 mi

$\widehat{DF} =$



Diameter = 1532 cm

$\widehat{GJ} =$



Diameter = 82 cm

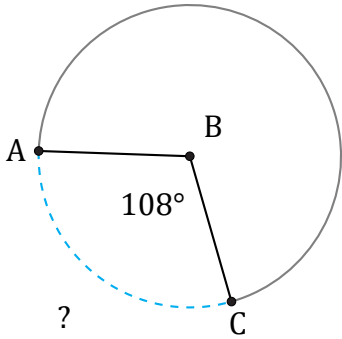
$\widehat{RT} =$

# Arc Length (B) Answers

Name: \_\_\_\_\_

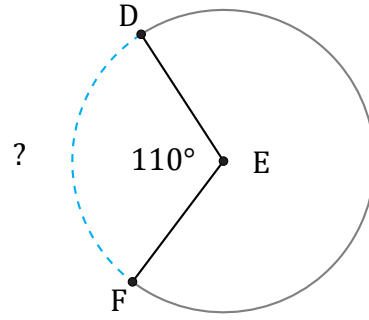
Date: \_\_\_\_\_

Calculate each arc length.



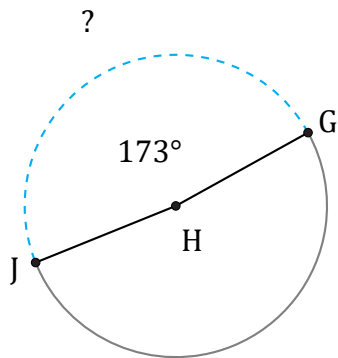
Diameter = 108 in

$$\widehat{AC} = \frac{108}{360} \times \pi \times 108 = 101.79 \text{ in}$$



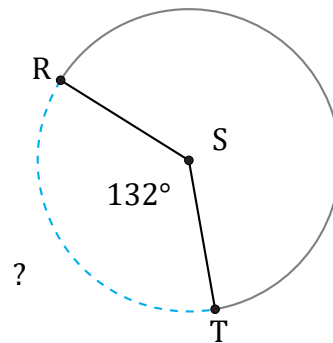
Diameter = 12 mi

$$\widehat{DF} = \frac{110}{360} \times \pi \times 12 = 11.52 \text{ mi}$$



Diameter = 1532 cm

$$\widehat{GJ} = \frac{173}{360} \times \pi \times 1532 = 2312.88 \text{ cm}$$



Diameter = 82 cm

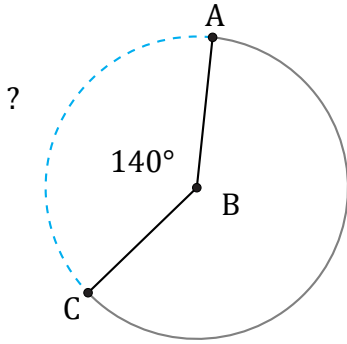
$$\widehat{RT} = \frac{132}{360} \times \pi \times 82 = 94.46 \text{ cm}$$

# Arc Length (C)

Name: \_\_\_\_\_

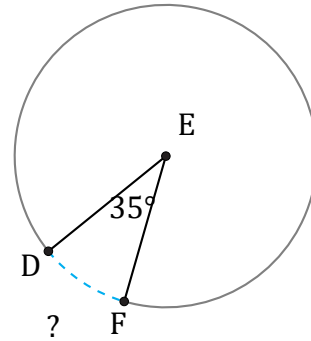
Date: \_\_\_\_\_

Calculate each arc length.



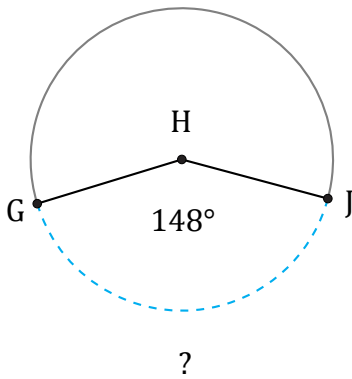
Diameter = 182 m

$\widehat{AC} =$



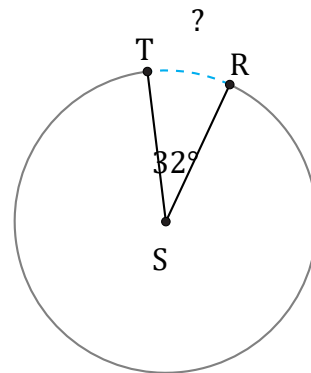
Diameter = 18 in

$\widehat{DF} =$



Diameter = 8 cm

$\widehat{GJ} =$



Diameter = 1874 in

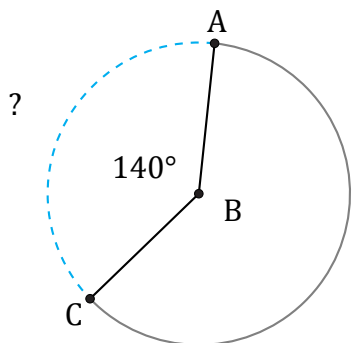
$\widehat{RT} =$

# Arc Length (C) Answers

Name: \_\_\_\_\_

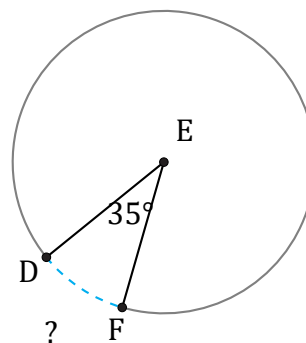
Date: \_\_\_\_\_

Calculate each arc length.



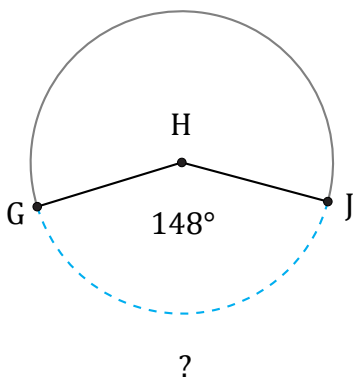
Diameter = 182 m

$$\widehat{AC} = \frac{140}{360} \times \pi \times 182 = 222.35 \text{ m}$$



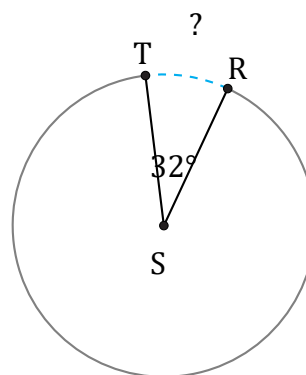
Diameter = 18 in

$$\widehat{DF} = \frac{35}{360} \times \pi \times 18 = 5.5 \text{ in}$$



Diameter = 8 cm

$$\widehat{GJ} = \frac{148}{360} \times \pi \times 8 = 10.33 \text{ cm}$$



Diameter = 1874 in

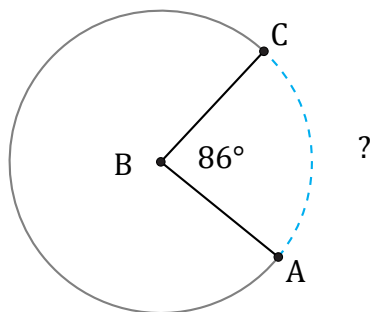
$$\widehat{RT} = \frac{32}{360} \times \pi \times 1874 = 523.32 \text{ in}$$

# Arc Length (D)

Name: \_\_\_\_\_

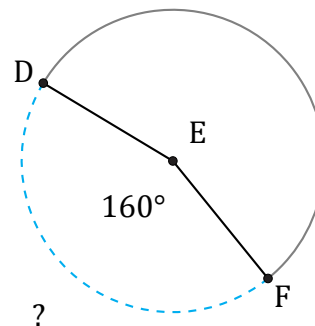
Date: \_\_\_\_\_

Calculate each arc length.



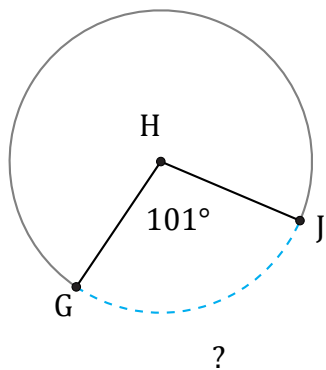
Diameter = 1242 mi

$\widehat{AC} =$



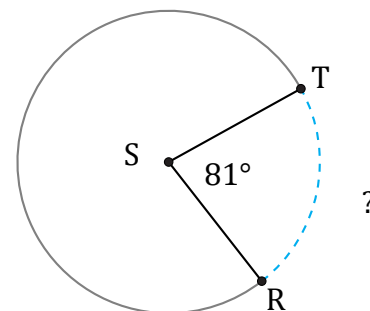
Diameter = 64 m

$\widehat{DF} =$



Diameter = 104 AU

$\widehat{GJ} =$



Diameter = 10 km

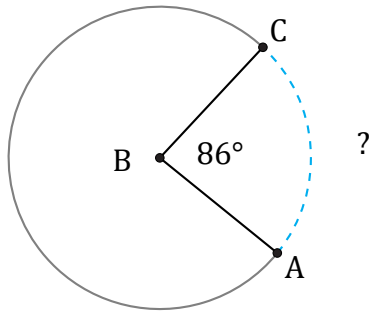
$\widehat{RT} =$

# Arc Length (D) Answers

Name: \_\_\_\_\_

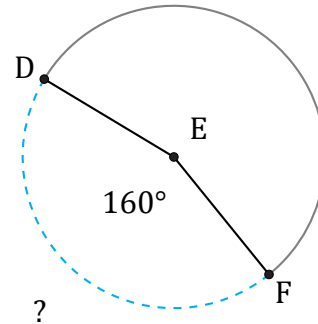
Date: \_\_\_\_\_

Calculate each arc length.



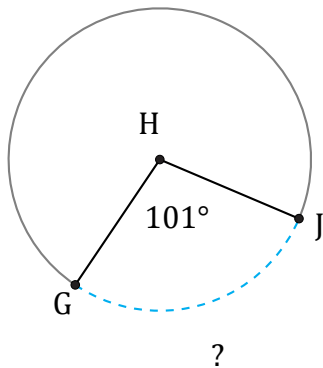
Diameter = 1242 mi

$$\widehat{AC} = \frac{86}{360} \times \pi \times 1242 = 932.11 \text{ mi}$$



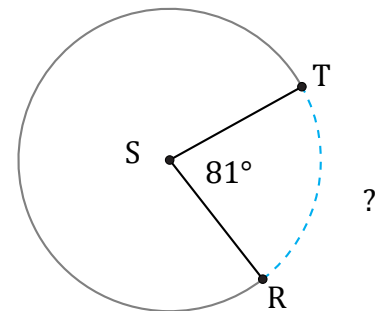
Diameter = 64 m

$$\widehat{DF} = \frac{160}{360} \times \pi \times 64 = 89.36 \text{ m}$$



Diameter = 104 AU

$$\widehat{GJ} = \frac{101}{360} \times \pi \times 104 = 91.66 \text{ AU}$$



Diameter = 10 km

$$\widehat{RT} = \frac{81}{360} \times \pi \times 10 = 7.07 \text{ km}$$

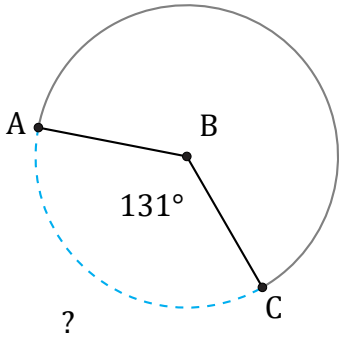


# Arc Length (E)

Name: \_\_\_\_\_

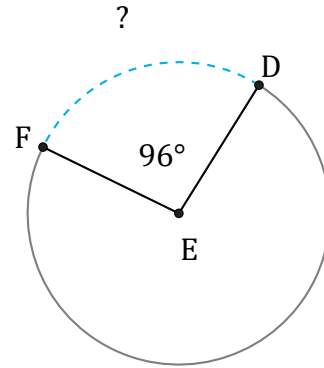
Date: \_\_\_\_\_

Calculate each arc length.



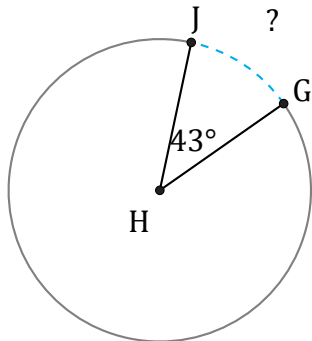
Diameter = 112 in

$\widehat{AC} =$



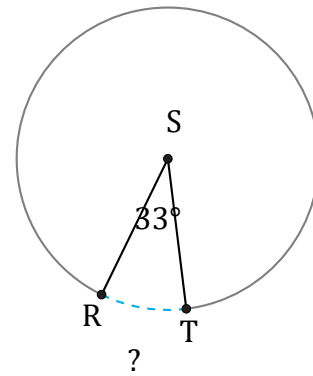
Diameter = 978 ft

$\widehat{DF} =$



Diameter = 968 cm

$\widehat{GJ} =$



Diameter = 744 km

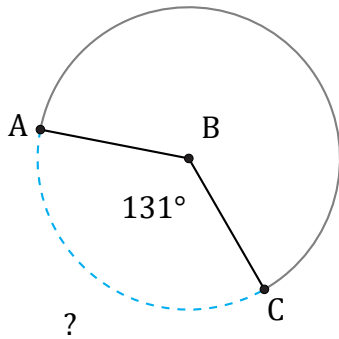
$\widehat{RT} =$

# Arc Length (E) Answers

Name: \_\_\_\_\_

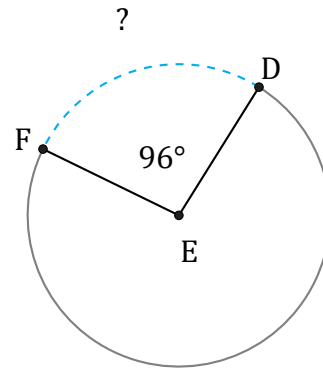
Date: \_\_\_\_\_

Calculate each arc length.



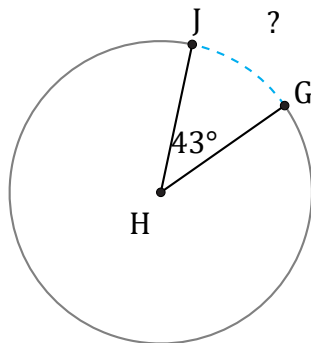
Diameter = 112 in

$$\widehat{AC} = \frac{131}{360} \times \pi \times 112 = 128.04 \text{ in}$$



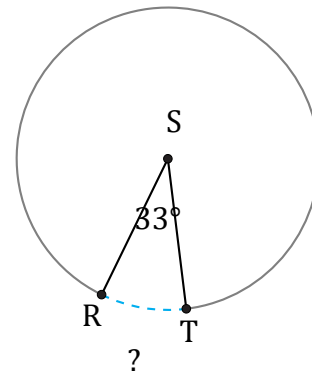
Diameter = 978 ft

$$\widehat{DF} = \frac{96}{360} \times \pi \times 978 = 819.33 \text{ ft}$$



Diameter = 968 cm

$$\widehat{GJ} = \frac{43}{360} \times \pi \times 968 = 363.24 \text{ cm}$$



Diameter = 744 km

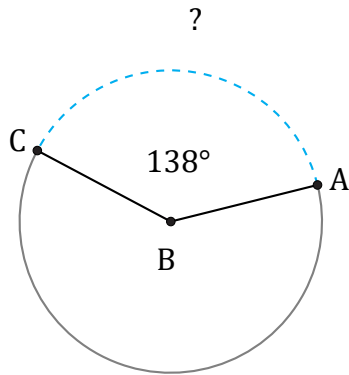
$$\widehat{RT} = \frac{33}{360} \times \pi \times 744 = 214.26 \text{ km}$$

# Arc Length (F)

Name: \_\_\_\_\_

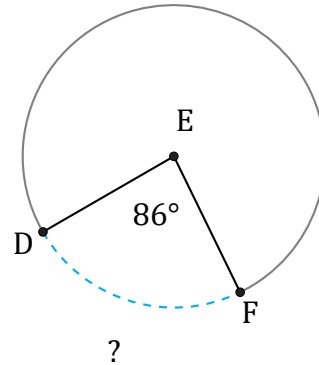
Date: \_\_\_\_\_

Calculate each arc length.



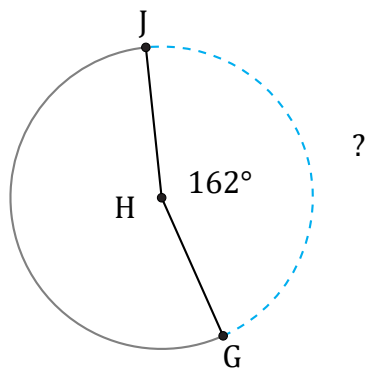
Diameter = 1554 cm

$\widehat{AC} =$



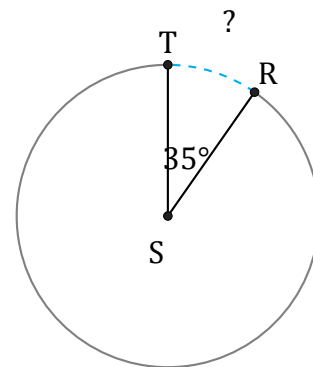
Diameter = 40 AU

$\widehat{DF} =$



Diameter = 12 AU

$\widehat{GJ} =$



Diameter = 28 cm

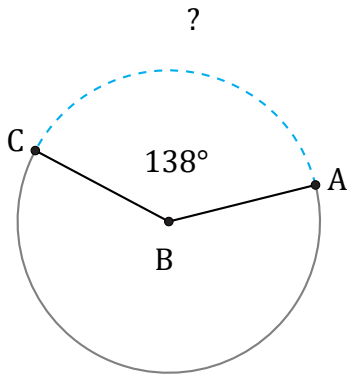
$\widehat{RT} =$

# Arc Length (F) Answers

Name: \_\_\_\_\_

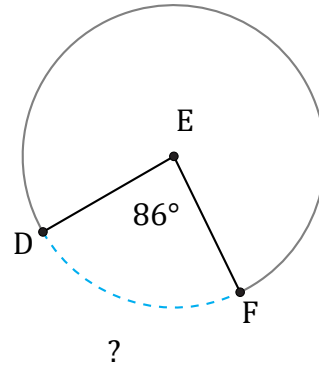
Date: \_\_\_\_\_

Calculate each arc length.



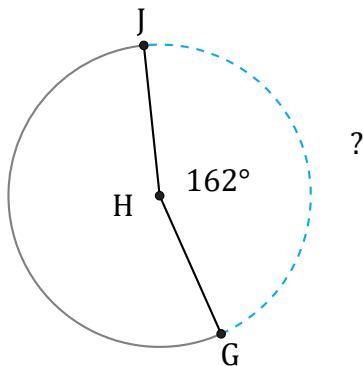
Diameter = 1554 cm

$$\widehat{AC} = \frac{138}{360} \times \pi \times 1554 = 1871.45 \text{ cm}$$



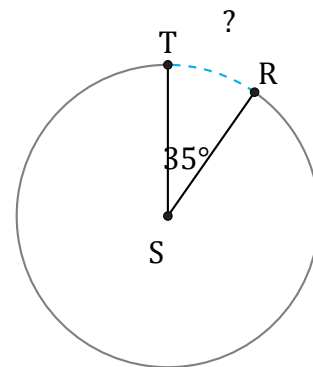
Diameter = 40 AU

$$\widehat{DF} = \frac{86}{360} \times \pi \times 40 = 30.02 \text{ AU}$$



Diameter = 12 AU

$$\widehat{GJ} = \frac{162}{360} \times \pi \times 12 = 16.96 \text{ AU}$$



Diameter = 28 cm

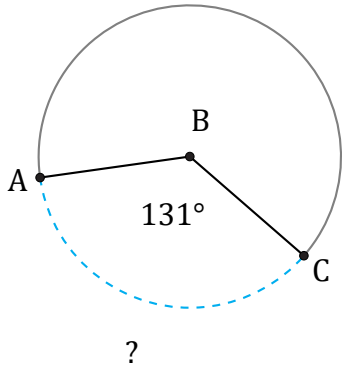
$$\widehat{RT} = \frac{35}{360} \times \pi \times 28 = 8.55 \text{ cm}$$

# Arc Length (G)

Name: \_\_\_\_\_

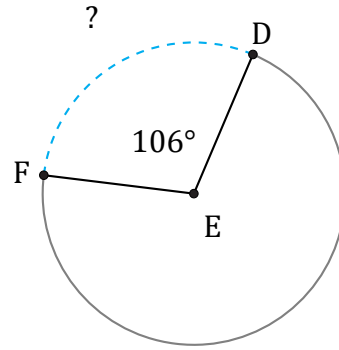
Date: \_\_\_\_\_

Calculate each arc length.



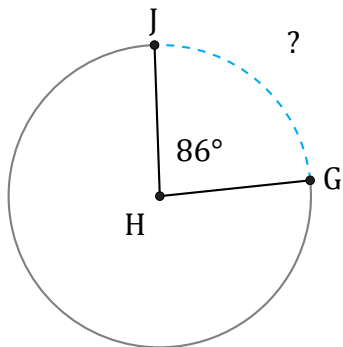
Diameter = 6 cm

$\widehat{AC} =$



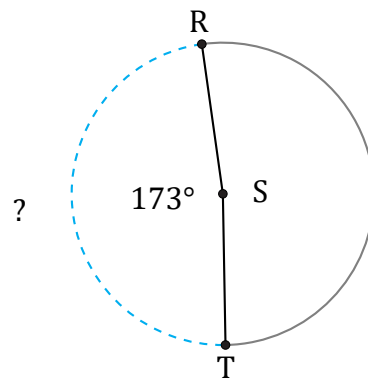
Diameter = 64 m

$\widehat{DF} =$



Diameter = 1294 cm

$\widehat{GJ} =$



Diameter = 650 in

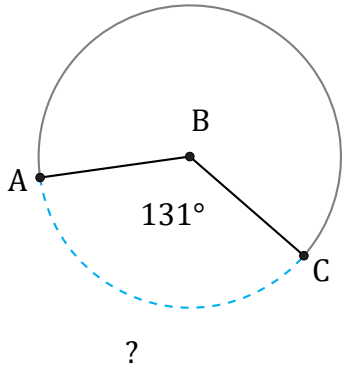
$\widehat{RT} =$

# Arc Length (G) Answers

Name: \_\_\_\_\_

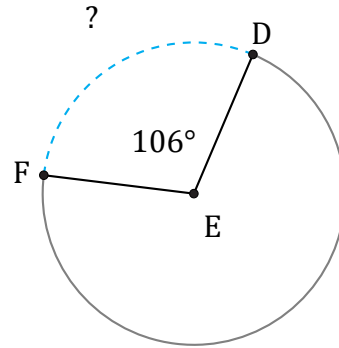
Date: \_\_\_\_\_

Calculate each arc length.



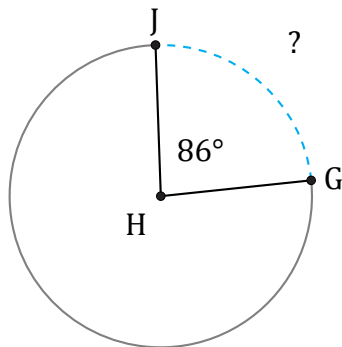
Diameter = 6 cm

$$\widehat{AC} = \frac{131}{360} \times \pi \times 6 = 6.86 \text{ cm}$$



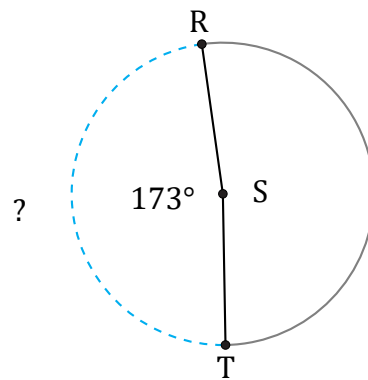
Diameter = 64 m

$$\widehat{DF} = \frac{106}{360} \times \pi \times 64 = 59.2 \text{ m}$$



Diameter = 1294 cm

$$\widehat{GJ} = \frac{86}{360} \times \pi \times 1294 = 971.14 \text{ cm}$$



Diameter = 650 in

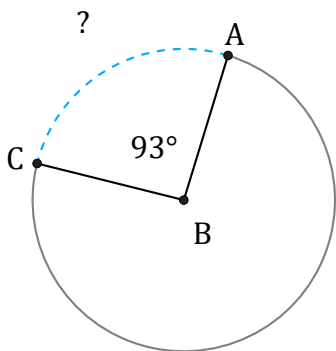
$$\widehat{RT} = \frac{173}{360} \times \pi \times 650 = 981.31 \text{ in}$$

# Arc Length (H)

Name: \_\_\_\_\_

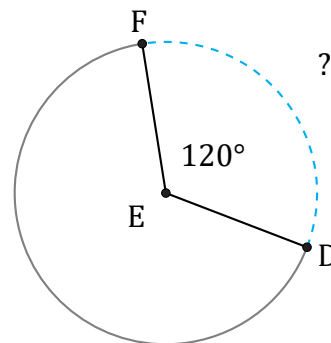
Date: \_\_\_\_\_

Calculate each arc length.



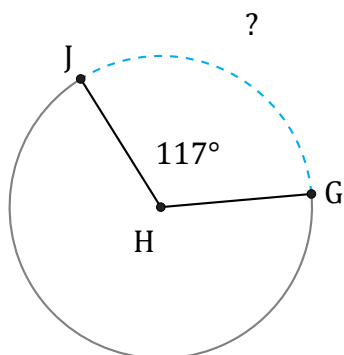
Diameter = 798 km

$\widehat{AC} =$



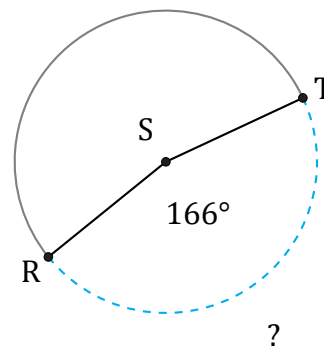
Diameter = 16 m

$\widehat{DF} =$



Diameter = 12 AU

$\widehat{GJ} =$



Diameter = 452 AU

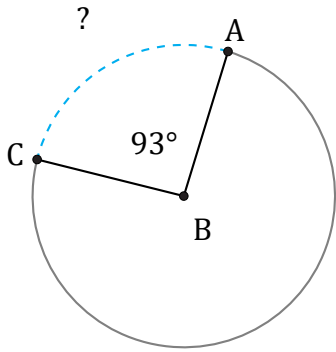
$\widehat{RT} =$

# Arc Length (H) Answers

Name: \_\_\_\_\_

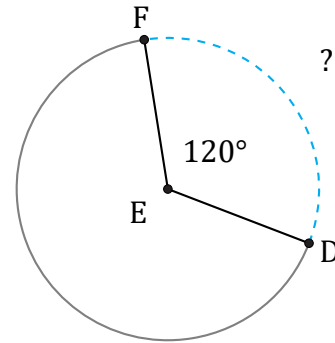
Date: \_\_\_\_\_

Calculate each arc length.



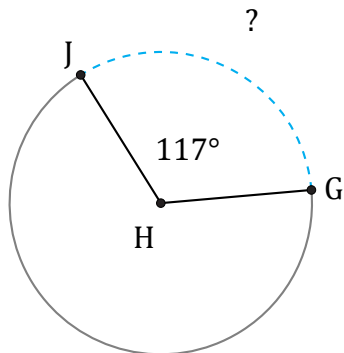
Diameter = 798 km

$$\widehat{AC} = \frac{93}{360} \times \pi \times 798 = 647.64 \text{ km}$$



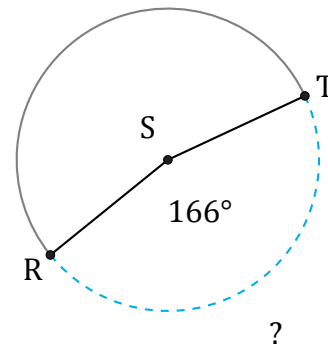
Diameter = 16 m

$$\widehat{DF} = \frac{120}{360} \times \pi \times 16 = 16.76 \text{ m}$$



Diameter = 12 AU

$$\widehat{GJ} = \frac{117}{360} \times \pi \times 12 = 12.25 \text{ AU}$$



Diameter = 452 AU

$$\widehat{RT} = \frac{166}{360} \times \pi \times 452 = 654.78 \text{ AU}$$

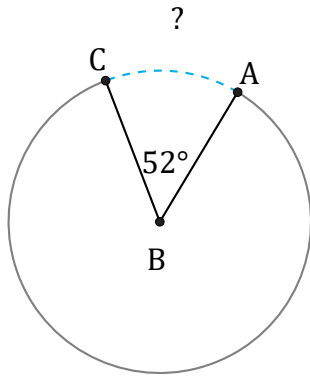


# Arc Length (I)

Name: \_\_\_\_\_

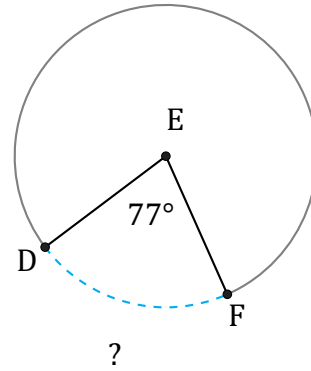
Date: \_\_\_\_\_

Calculate each arc length.



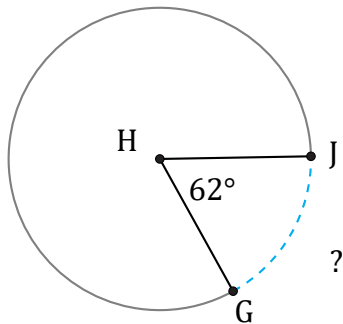
Diameter = 112 mm

$\widehat{AC} =$



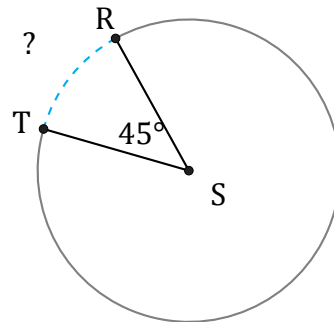
Diameter = 20 cm

$\widehat{DF} =$



Diameter = 438 ft

$\widehat{GJ} =$



Diameter = 2 in

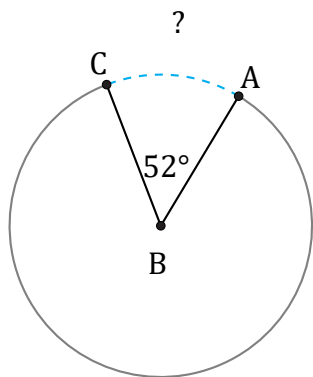
$\widehat{RT} =$

# Arc Length (I) Answers

Name: \_\_\_\_\_

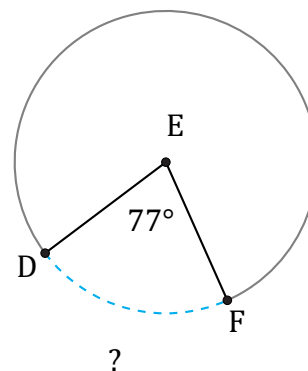
Date: \_\_\_\_\_

Calculate each arc length.



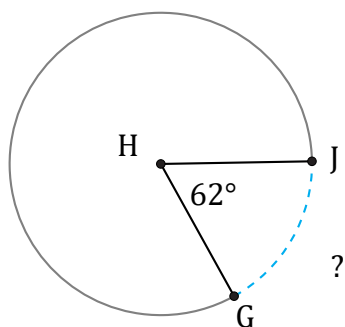
Diameter = 112 mm

$$\widehat{AC} = \frac{52}{360} \times \pi \times 112 = 50.82 \text{ mm}$$



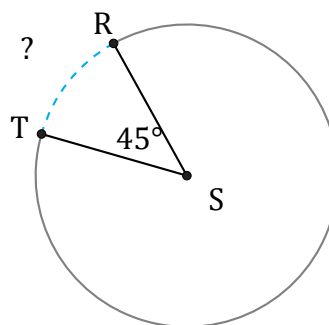
Diameter = 20 cm

$$\widehat{DF} = \frac{77}{360} \times \pi \times 20 = 13.44 \text{ cm}$$



Diameter = 438 ft

$$\widehat{GJ} = \frac{62}{360} \times \pi \times 438 = 236.98 \text{ ft}$$



Diameter = 2 in

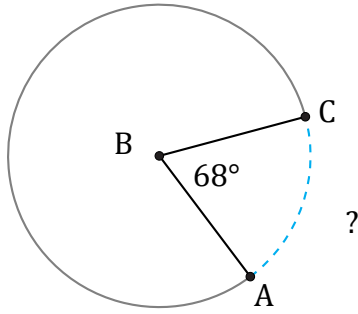
$$\widehat{RT} = \frac{45}{360} \times \pi \times 2 = 0.79 \text{ in}$$

# Arc Length (J)

Name: \_\_\_\_\_

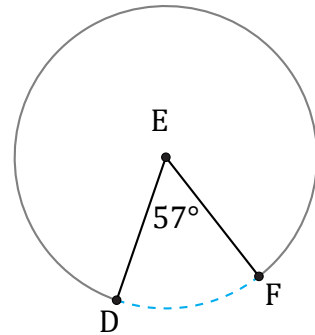
Date: \_\_\_\_\_

Calculate each arc length.



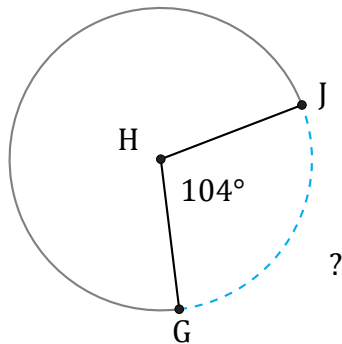
Diameter = 10 AU

$\widehat{AC} =$



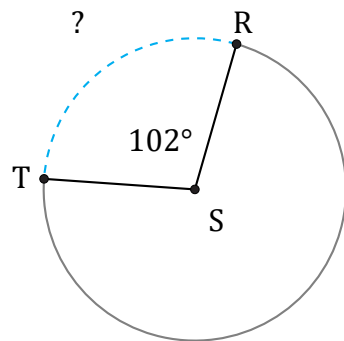
Diameter = 594 km

$\widehat{DF} =$



Diameter = 564 mm

$\widehat{GJ} =$



Diameter = 1578 cm

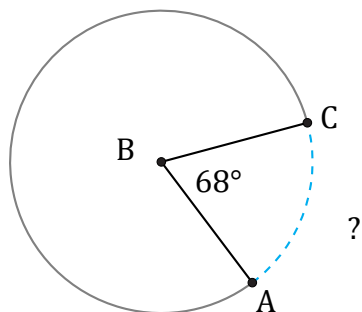
$\widehat{RT} =$

# Arc Length (J) Answers

Name: \_\_\_\_\_

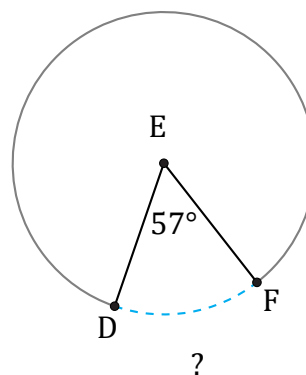
Date: \_\_\_\_\_

Calculate each arc length.



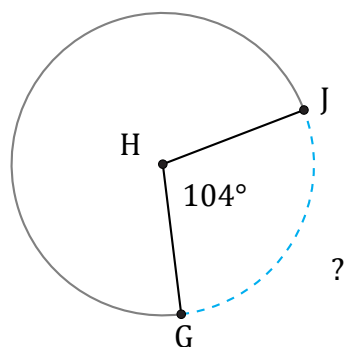
Diameter = 10 AU

$$\widehat{AC} = \frac{68}{360} \times \pi \times 10 = 5.93 \text{ AU}$$



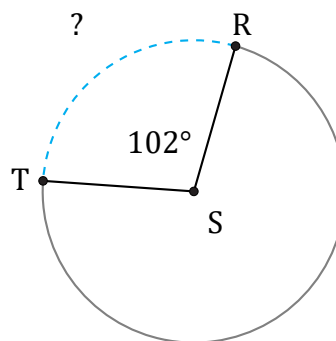
Diameter = 594 km

$$\widehat{DF} = \frac{57}{360} \times \pi \times 594 = 295.47 \text{ km}$$



Diameter = 564 mm

$$\widehat{GJ} = \frac{104}{360} \times \pi \times 564 = 511.87 \text{ mm}$$



Diameter = 1578 cm

$$\widehat{RT} = \frac{102}{360} \times \pi \times 1578 = 1404.61 \text{ cm}$$