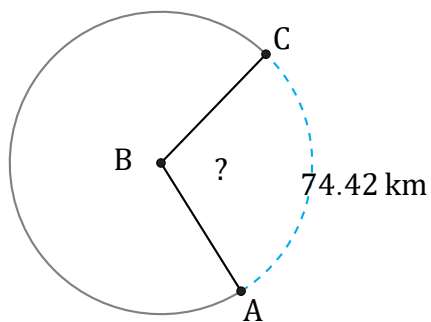


Arc Angles (A)

Name: _____

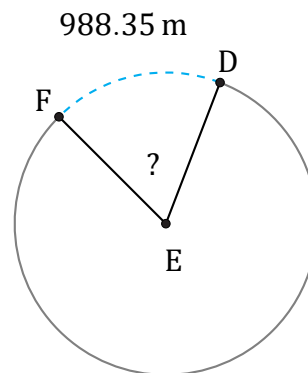
Date: _____

Calculate each arc angle measurement.



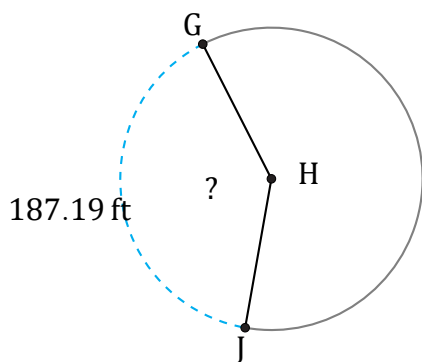
Diameter = 82 km

$\angle ABC =$



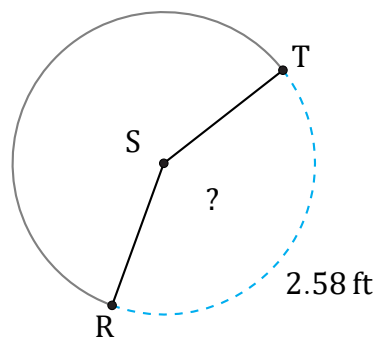
Diameter = 1716 m

$\angle DEF =$



Diameter = 150 ft

$\angle GHJ =$



Diameter = 2 ft

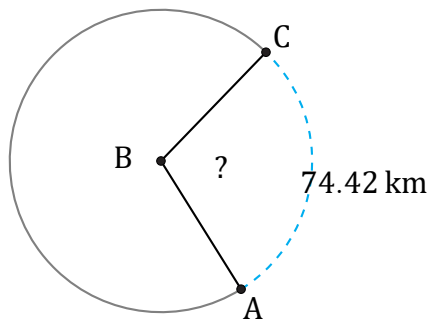
$\angle RST =$

Arc Angles (A) Answers

Name: _____

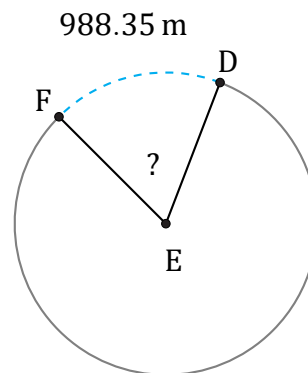
Date: _____

Calculate each arc angle measurement.



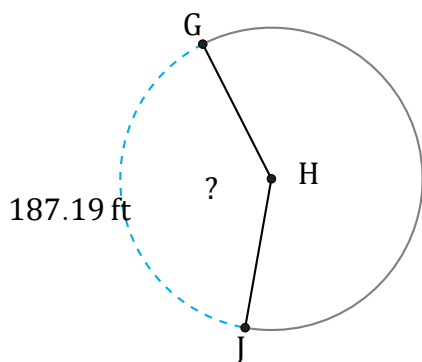
Diameter = 82 km

$$\angle ABC = \frac{74.42}{82 \times \pi} \times 360 = 104^\circ$$



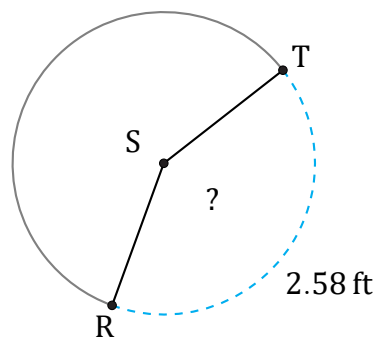
Diameter = 1716 m

$$\angle DEF = \frac{988.35}{1716 \times \pi} \times 360 = 66^\circ$$



Diameter = 150 ft

$$\angle GHJ = \frac{187.19}{150 \times \pi} \times 360 = 143^\circ$$



Diameter = 2 ft

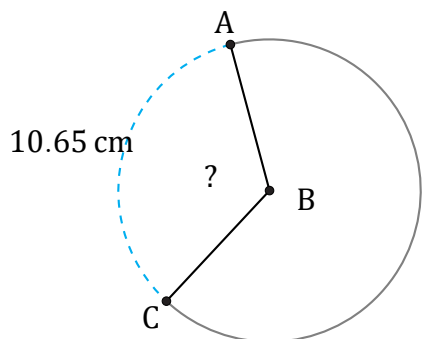
$$\angle RST = \frac{2.58}{2 \times \pi} \times 360 = 147.8^\circ$$

Arc Angles (B)

Name: _____

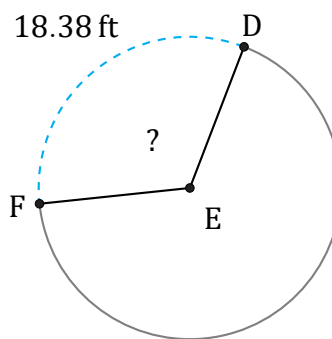
Date: _____

Calculate each arc angle measurement.



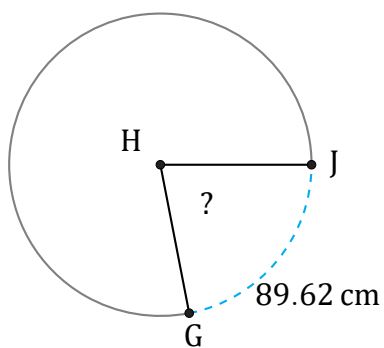
Diameter = 10 cm

$\angle ABC =$



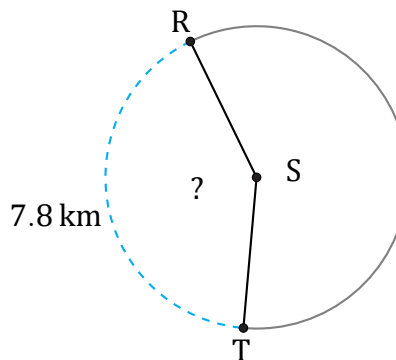
Diameter = 18 ft

$\angle DEF =$



Diameter = 130 cm

$\angle GHJ =$



Diameter = 6 km

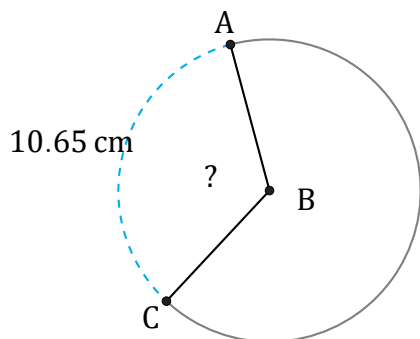
$\angle RST =$

Arc Angles (B) Answers

Name: _____

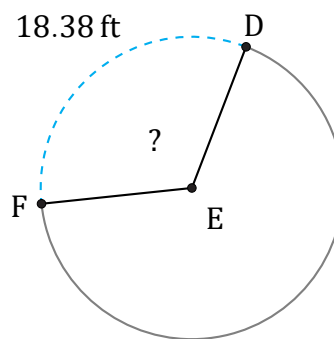
Date: _____

Calculate each arc angle measurement.



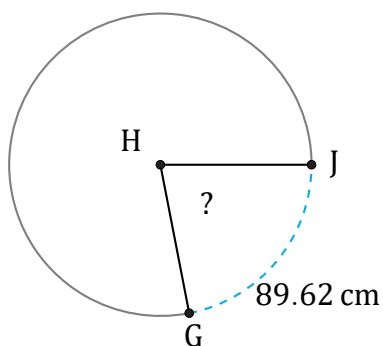
Diameter = 10 cm

$$\angle ABC = \frac{10.65}{10 \times \pi} \times 360 = 122^\circ$$



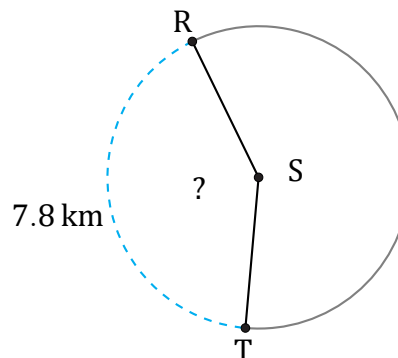
Diameter = 18 ft

$$\angle DEF = \frac{18.38}{18 \times \pi} \times 360 = 117^\circ$$



Diameter = 130 cm

$$\angle GHJ = \frac{89.62}{130 \times \pi} \times 360 = 79^\circ$$



Diameter = 6 km

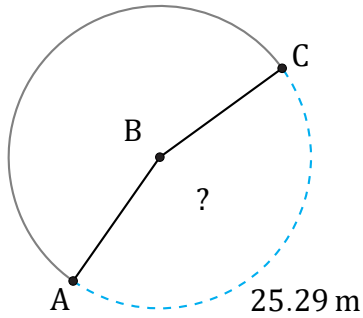
$$\angle RST = \frac{7.8}{6 \times \pi} \times 360 = 149^\circ$$

Arc Angles (C)

Name: _____

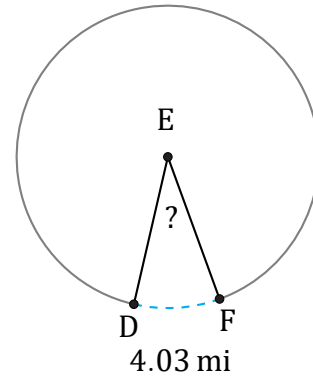
Date: _____

Calculate each arc angle measurement.



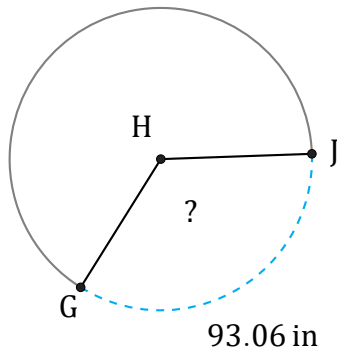
Diameter = 18 m

$\angle ABC =$



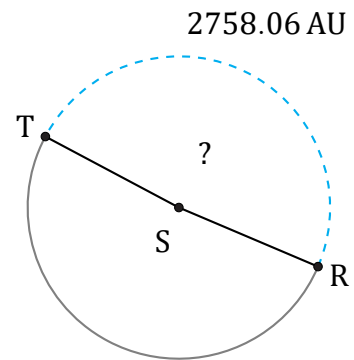
Diameter = 14 mi

$\angle DEF =$



Diameter = 86 in

$\angle GHJ =$



Diameter = 1806 AU

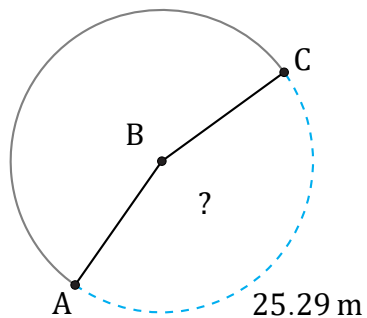
$\angle RST =$

Arc Angles (C) Answers

Name: _____

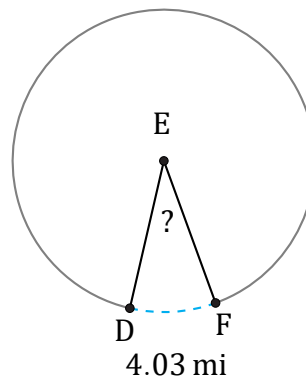
Date: _____

Calculate each arc angle measurement.



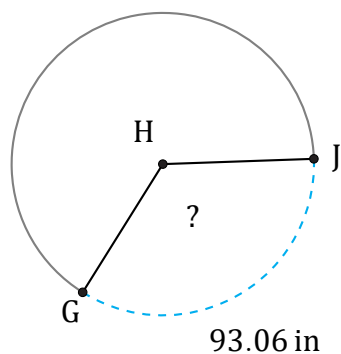
Diameter = 18 m

$$\angle ABC = \frac{25.29}{18 \times \pi} \times 360 = 161^\circ$$



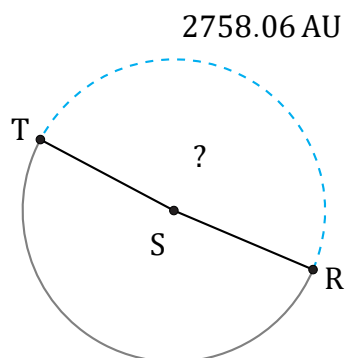
Diameter = 14 mi

$$\angle DEF = \frac{4.03}{14 \times \pi} \times 360 = 33^\circ$$



Diameter = 86 in

$$\angle GHJ = \frac{93.06}{86 \times \pi} \times 360 = 124^\circ$$



Diameter = 1806 AU

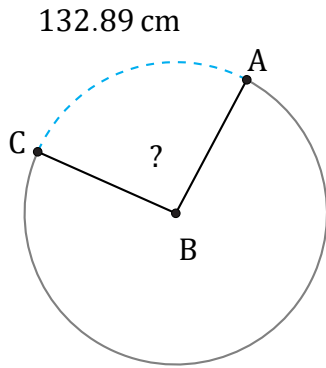
$$\angle RST = \frac{2758.06}{1806 \times \pi} \times 360 = 175^\circ$$

Arc Angles (D)

Name: _____

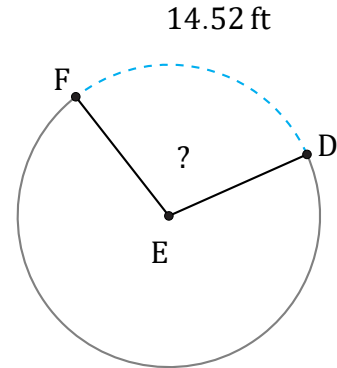
Date: _____

Calculate each arc angle measurement.



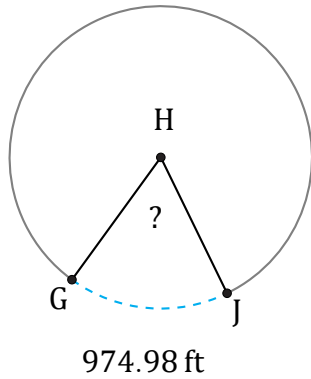
Diameter = 162 cm

$\angle ABC =$



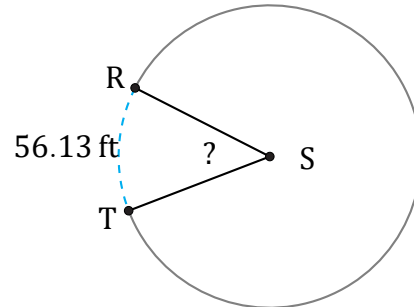
Diameter = 16 ft

$\angle DEF =$



Diameter = 1802 ft

$\angle GHJ =$



Diameter = 134 ft

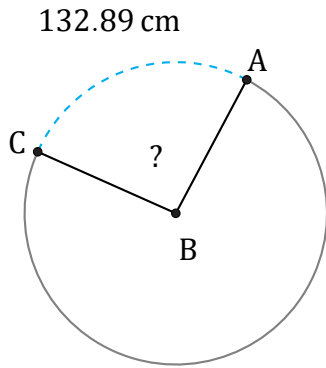
$\angle RST =$

Arc Angles (D) Answers

Name: _____

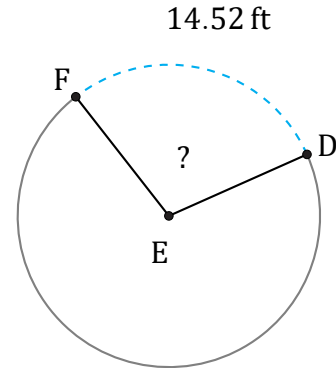
Date: _____

Calculate each arc angle measurement.



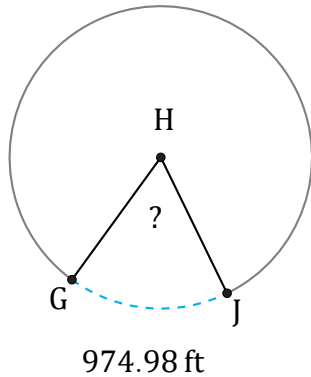
Diameter = 162 cm

$$\angle ABC = \frac{132.89}{162 \times \pi} \times 360 = 94^\circ$$



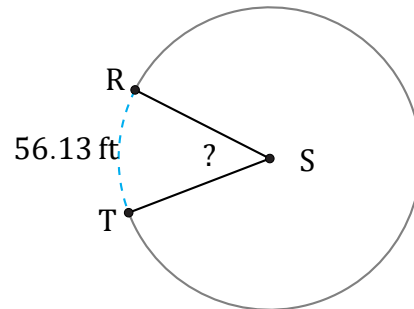
Diameter = 16 ft

$$\angle DEF = \frac{14.52}{16 \times \pi} \times 360 = 104^\circ$$



Diameter = 1802 ft

$$\angle GHJ = \frac{974.98}{1802 \times \pi} \times 360 = 62^\circ$$



Diameter = 134 ft

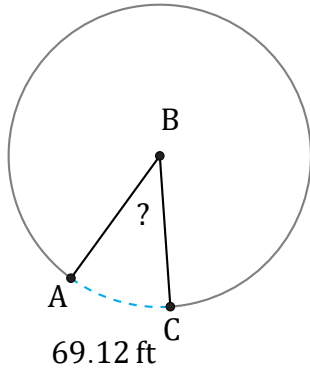
$$\angle RST = \frac{56.13}{134 \times \pi} \times 360 = 48^\circ$$

Arc Angles (E)

Name: _____

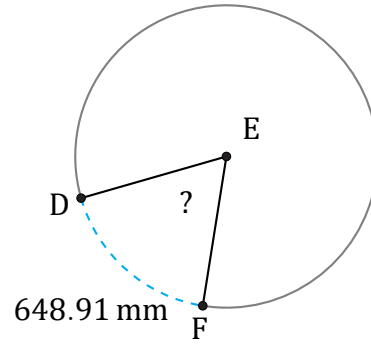
Date: _____

Calculate each arc angle measurement.



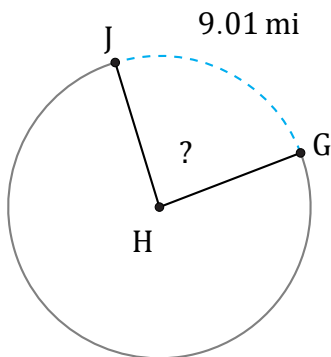
Diameter = 198 ft

$\angle ABC =$



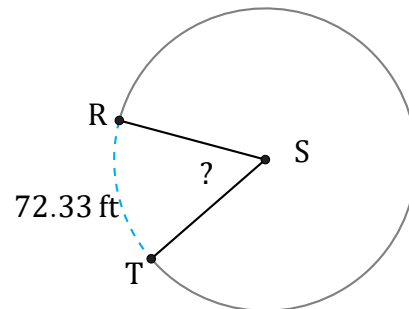
Diameter = 1144 mm

$\angle DEF =$



Diameter = 12 mi

$\angle GHJ =$



Diameter = 148 ft

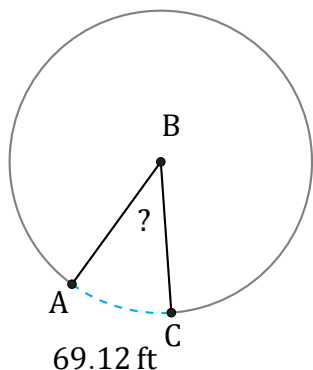
$\angle RST =$

Arc Angles (E) Answers

Name: _____

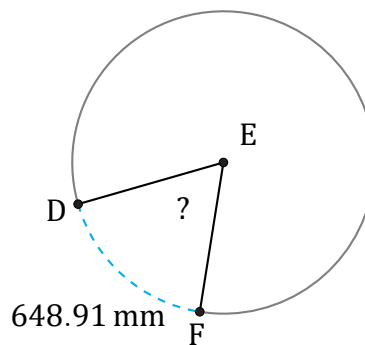
Date: _____

Calculate each arc angle measurement.



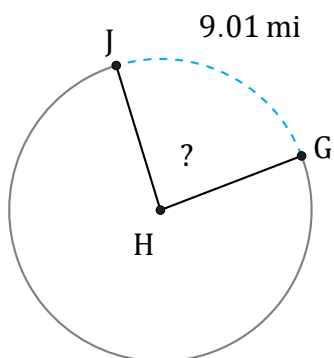
Diameter = 198 ft

$$\angle ABC = \frac{69.12}{198 \times \pi} \times 360 = 40^\circ$$



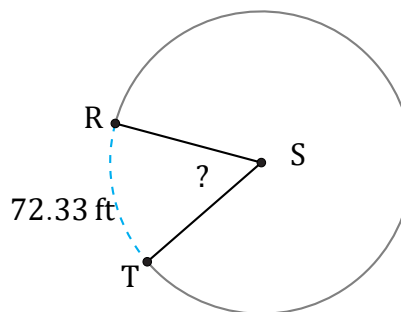
Diameter = 1144 mm

$$\angle DEF = \frac{648.91}{1144 \times \pi} \times 360 = 65^\circ$$



Diameter = 12 mi

$$\angle GHJ = \frac{9.01}{12 \times \pi} \times 360 = 86^\circ$$



Diameter = 148 ft

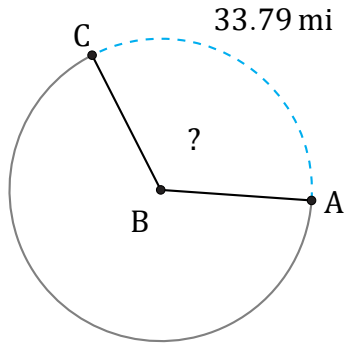
$$\angle RST = \frac{72.33}{148 \times \pi} \times 360 = 56^\circ$$

Arc Angles (F)

Name: _____

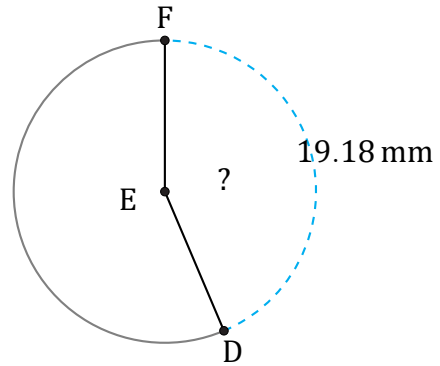
Date: _____

Calculate each arc angle measurement.



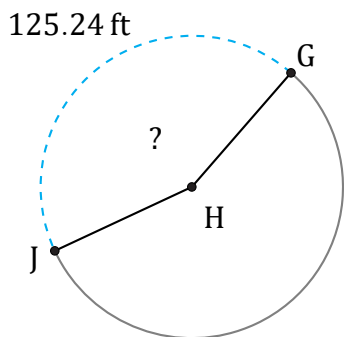
Diameter = 32 mi

$\angle ABC =$



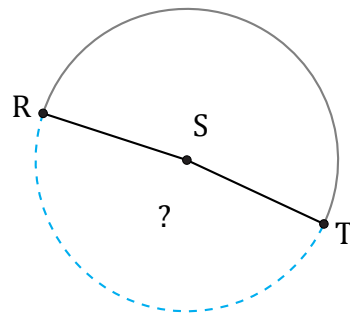
Diameter = 14 mm

$\angle DEF =$



Diameter = 92 ft

$\angle GHJ =$



1026.6 km

Diameter = 680 km

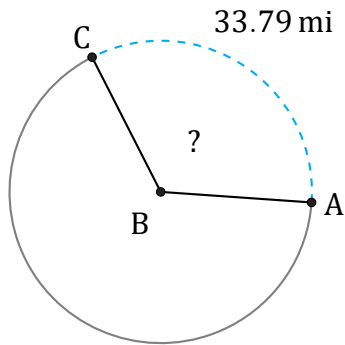
$\angle RST =$

Arc Angles (F) Answers

Name: _____

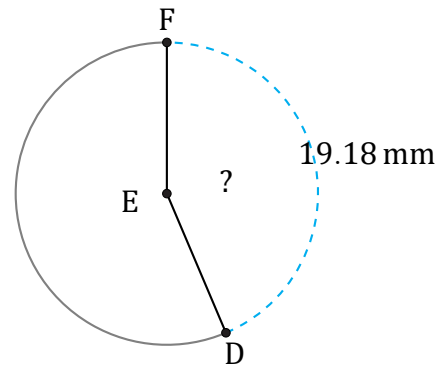
Date: _____

Calculate each arc angle measurement.



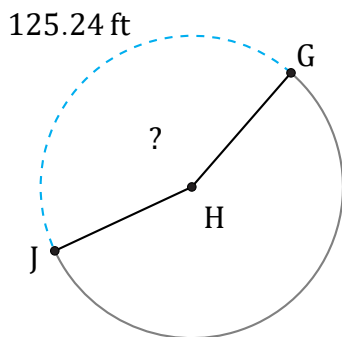
Diameter = 32 mi

$$\angle ABC = \frac{33.79}{32 \times \pi} \times 360 = 121^\circ$$



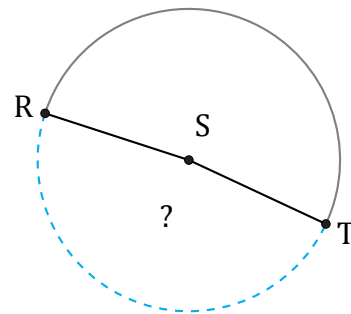
Diameter = 14 mm

$$\angle DEF = \frac{19.18}{14 \times \pi} \times 360 = 157^\circ$$



Diameter = 92 ft

$$\angle GHJ = \frac{125.24}{92 \times \pi} \times 360 = 156^\circ$$



1026.6 km

Diameter = 680 km

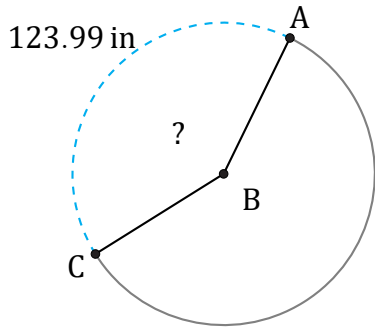
$$\angle RST = \frac{1026.6}{680 \times \pi} \times 360 = 173^\circ$$

Arc Angles (G)

Name: _____

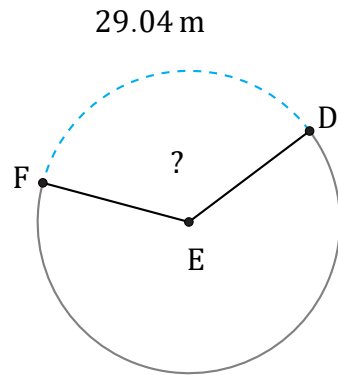
Date: _____

Calculate each arc angle measurement.



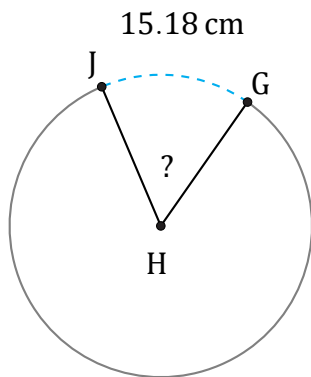
Diameter = 96 in

$\angle ABC =$



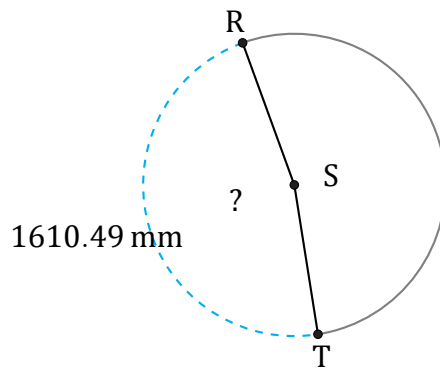
Diameter = 26 m

$\angle DEF =$



Diameter = 30 cm

$\angle GHJ =$



Diameter = 1092 mm

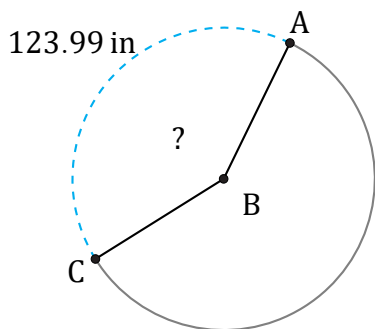
$\angle RST =$

Arc Angles (G) Answers

Name: _____

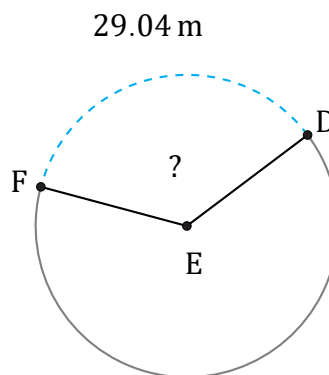
Date: _____

Calculate each arc angle measurement.



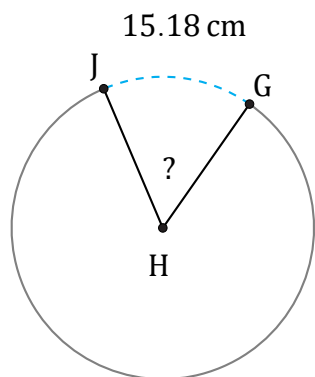
Diameter = 96 in

$$\angle ABC = \frac{123.99}{96 \times \pi} \times 360 = 148^\circ$$



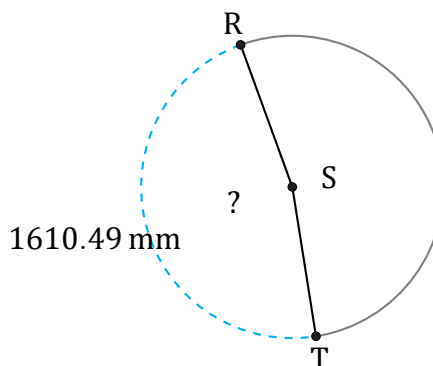
Diameter = 26 m

$$\angle DEF = \frac{29.04}{26 \times \pi} \times 360 = 128^\circ$$



Diameter = 30 cm

$$\angle GHJ = \frac{15.18}{30 \times \pi} \times 360 = 58^\circ$$



Diameter = 1092 mm

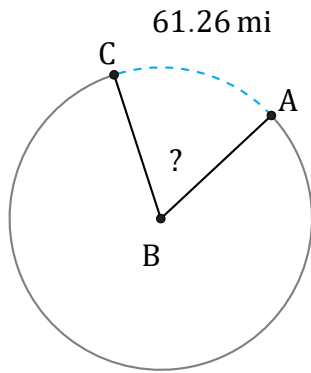
$$\angle RST = \frac{1610.49}{1092 \times \pi} \times 360 = 169^\circ$$

Arc Angles (H)

Name: _____

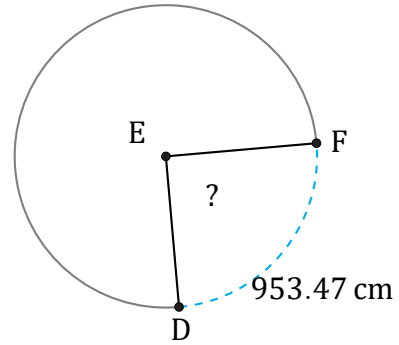
Date: _____

Calculate each arc angle measurement.



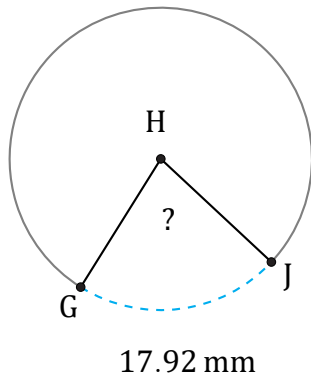
Diameter = 108 mi

$\angle ABC =$



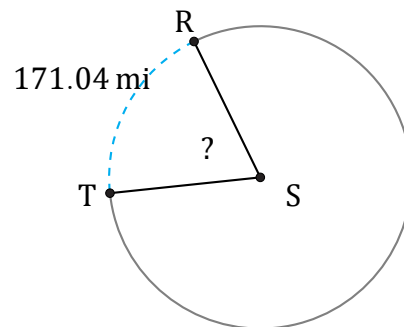
Diameter = 1214 cm

$\angle DEF =$



Diameter = 26 mm

$\angle GHJ =$



Diameter = 280 mi

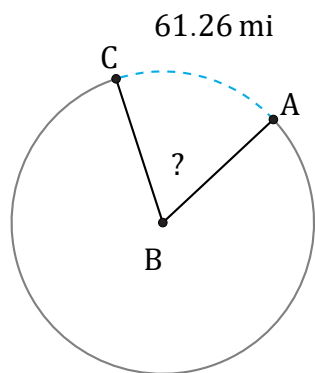
$\angle RST =$

Arc Angles (H) Answers

Name: _____

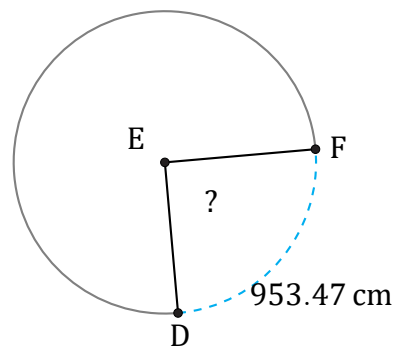
Date: _____

Calculate each arc angle measurement.



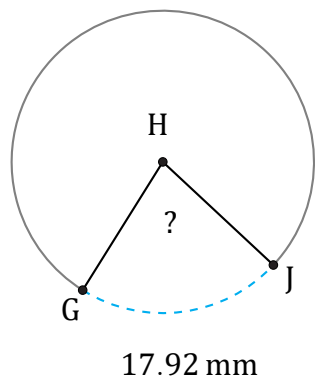
Diameter = 108 mi

$$\angle ABC = \frac{61.26}{108 \times \pi} \times 360 = 65^\circ$$



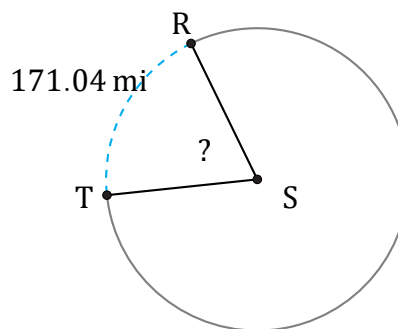
Diameter = 1214 cm

$$\angle DEF = \frac{953.47}{1214 \times \pi} \times 360 = 90^\circ$$



Diameter = 26 mm

$$\angle GHJ = \frac{17.92}{26 \times \pi} \times 360 = 79^\circ$$



Diameter = 280 mi

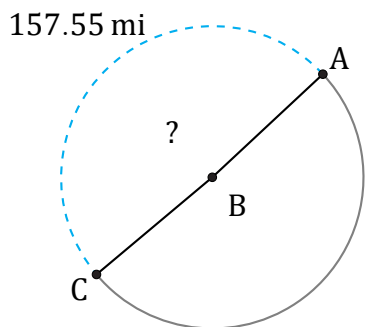
$$\angle RST = \frac{171.04}{280 \times \pi} \times 360 = 70^\circ$$

Arc Angles (I)

Name: _____

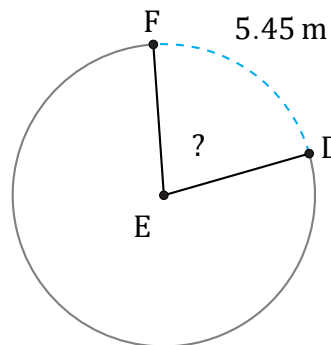
Date: _____

Calculate each arc angle measurement.



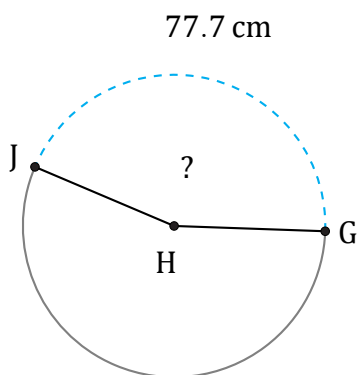
Diameter = 102 mi

$\angle ABC =$



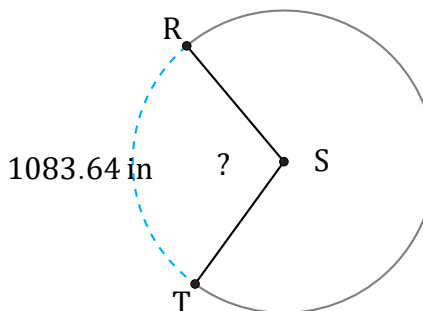
Diameter = 8 m

$\angle DEF =$



Diameter = 56 cm

$\angle GHJ =$



Diameter = 1194 in

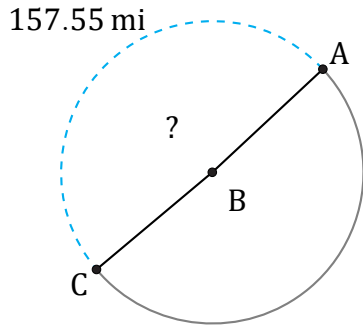
$\angle RST =$

Arc Angles (I) Answers

Name: _____

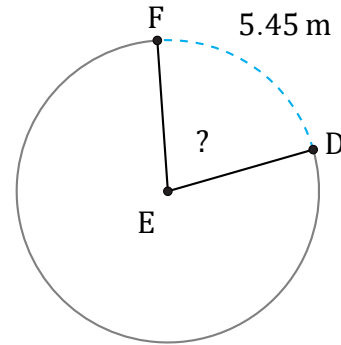
Date: _____

Calculate each arc angle measurement.



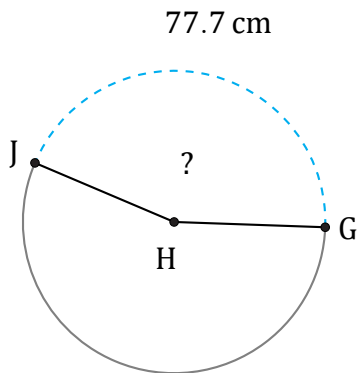
Diameter = 102 mi

$$\angle ABC = \frac{157.55}{102 \times \pi} \times 360 = 177^\circ$$



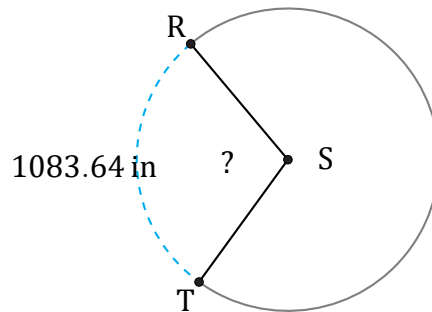
Diameter = 8 m

$$\angle DEF = \frac{5.45}{8 \times \pi} \times 360 = 78.1^\circ$$



Diameter = 56 cm

$$\angle GHJ = \frac{77.7}{56 \times \pi} \times 360 = 159^\circ$$



Diameter = 1194 in

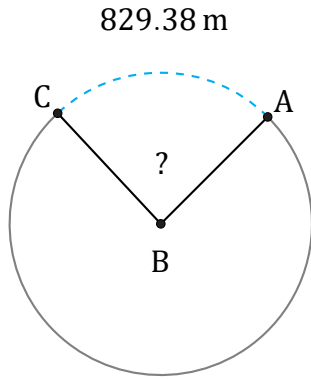
$$\angle RST = \frac{1083.64}{1194 \times \pi} \times 360 = 104^\circ$$

Arc Angles (J)

Name: _____

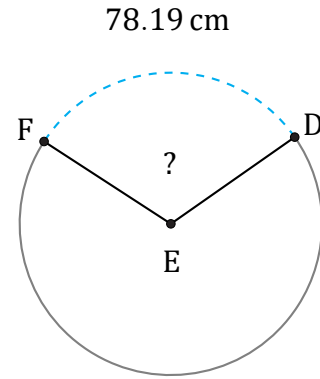
Date: _____

Calculate each arc angle measurement.



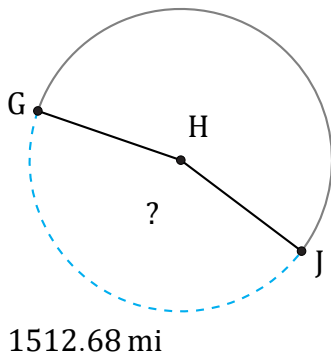
Diameter = 1080 m

$\angle ABC =$



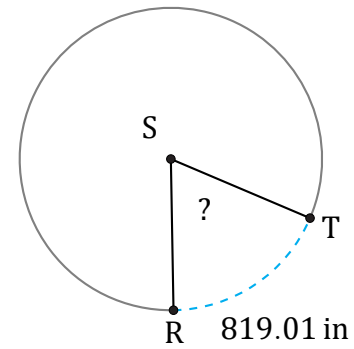
Diameter = 80 cm

$\angle DEF =$



Diameter = 1070 mi

$\angle GHJ =$



Diameter = 1422 in

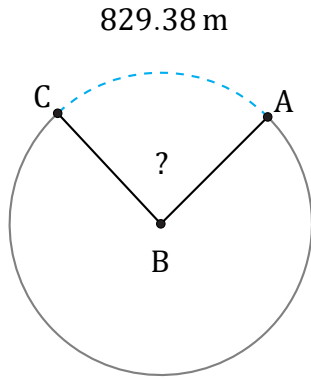
$\angle RST =$

Arc Angles (J) Answers

Name: _____

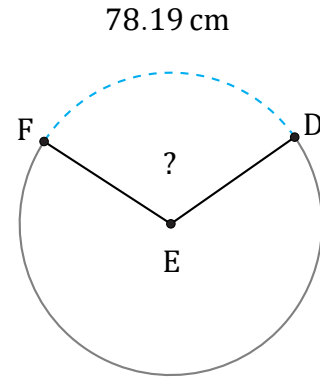
Date: _____

Calculate each arc angle measurement.



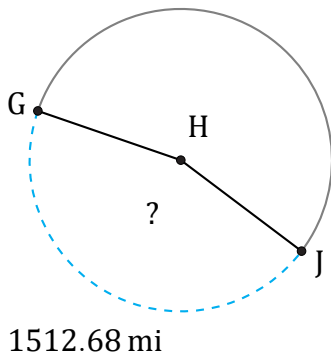
Diameter = 1080 m

$$\angle ABC = \frac{829.38}{1080 \times \pi} \times 360 = 88^\circ$$



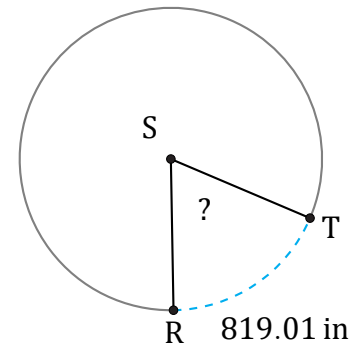
Diameter = 80 cm

$$\angle DEF = \frac{78.19}{80 \times \pi} \times 360 = 112^\circ$$



Diameter = 1070 mi

$$\angle GHJ = \frac{1512.68}{1070 \times \pi} \times 360 = 162^\circ$$



Diameter = 1422 in

$$\angle RST = \frac{819.01}{1422 \times \pi} \times 360 = 66^\circ$$