Geometry   Name_____ ID: 1
Segments/Angles in Circles Review   Date_____ Period____

**If an angle is given, name the arc it makes. If an arc is given, name its central angle.**

1) Major arc for ∠2
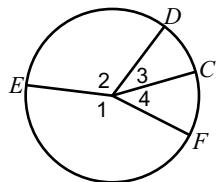
A) $\widehat{FE}$ B) $\widehat{DC}$
C) $\widehat{FEC}$ D) $\widehat{ECD}$

2) $\widehat{KIJ}$
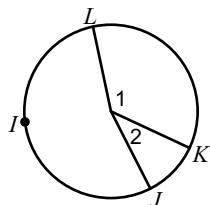
A) ∠1 B) ∠2

3) Major arc for ∠1
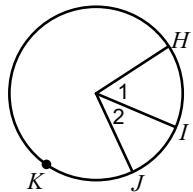
A) $\widehat{IKJ}$ B) $\widehat{HI}$
C) $\widehat{HJI}$ D) $\widehat{IJ}$

4) $\widehat{CED}$
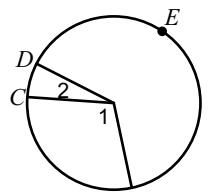
A) ∠2 B) ∠1

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

5) $m\widehat{RT}$
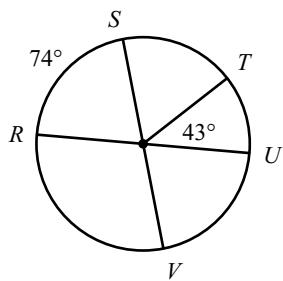
A) 137° B) 135°
C) 141° D) 143°

6) $m\angle MIJ$

A) 108° B) 100°
C) 136° D) 128°

 Made with Infinite Geometry.
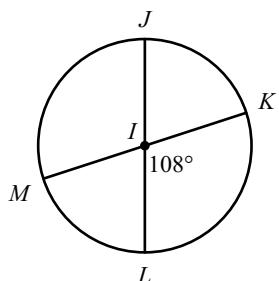
7) $m\widehat{VTU}$
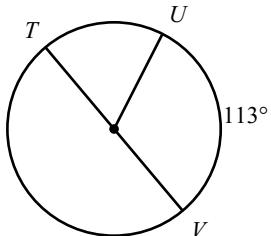
A) 72°   B) 80°

C) 247°   D) 38°

8) $m\angle BAC$
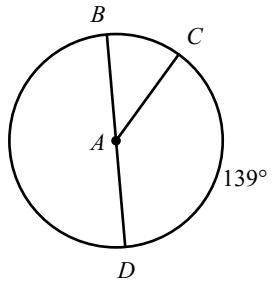
A) 90°   B) 80°

C) 41°   D) 45°

Find the measure of the arc or angle indicated.

9)

138 °

H

F   37 °

?

G
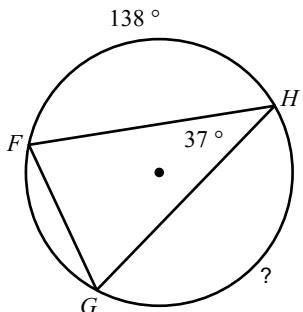
A) 81°   B) 83°

C) 178°   D) 148°

10)

D

E   ?   C

54 °

T

A) 36°   B) 21°

C) 27°   D) 23°

11)

K

?

M

L

74 °

A) 27°   B) 61°

C) 53°   D) 70°

12)

70 °

W   V

?

X
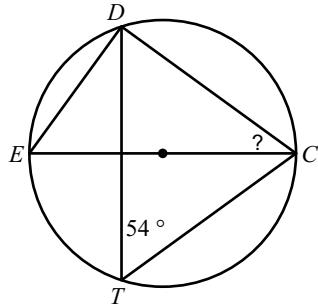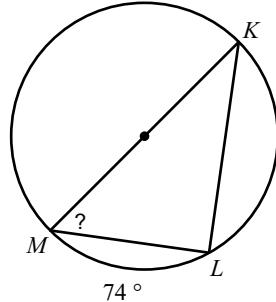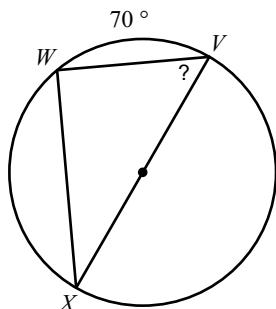
A) 55°   B) 72°

C) 57°   D) 63°

**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

13)
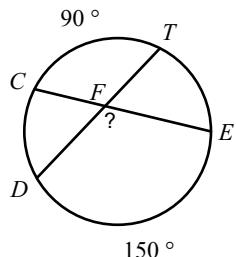


A) 100°   B) 130°

C) 164°   D) 120°

14)
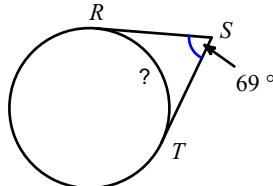
A) 125°   B) 93°

C) 111°   D) 113°

15)
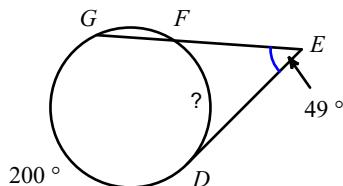
A) 114°   B) 129°

C) 131°   D) 102°

16)
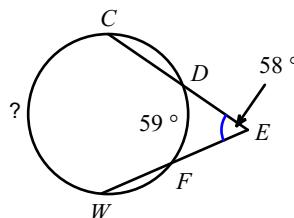
A) 132°   B) 140°

C) 175°   D) 105°

**Solve for _x_. Assume that lines which appear tangent are tangent.**

17)
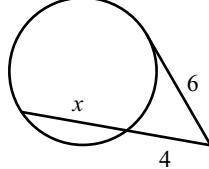
A) 4   B) 5

C) 7   D) 3

18)
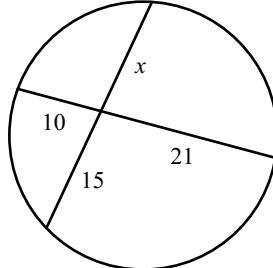
A) 15   B) 9

C) 14   D) 19

19)
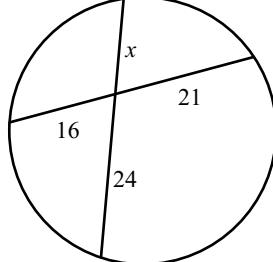
A) 14   B) 20

C) 8   D) 11

20)
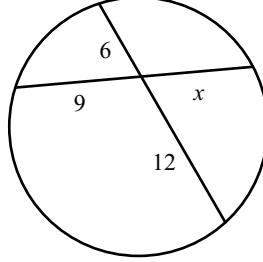
A) 10   B) 11

C) 6   D) 8

**Find the measure of the line segment indicated. Assume that lines which appear tangent are tangent.**

21) Find *TU*
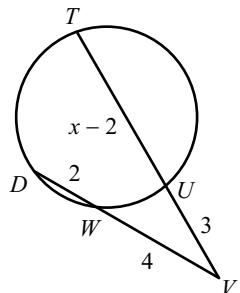
22) Find *KL*
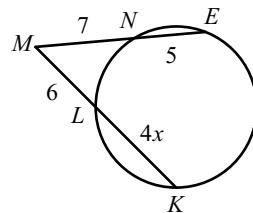
23) Find *PR*
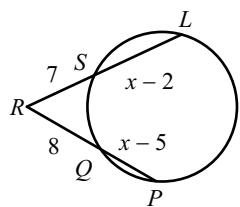
24) Find *DF*

25) Find *KT*

26) Find *FH*