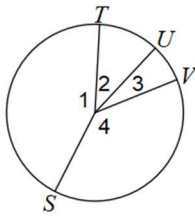**If an angle is given, name the arc it makes.**
If an arc is given, name its central angle.
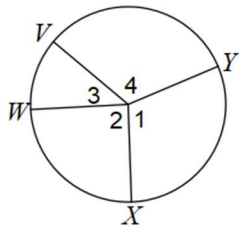
1) Major arc for ∠2

98°

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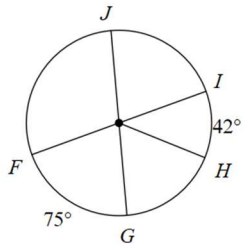**If an arc is given, name its central angle.**

$\overparen{XW}$

11

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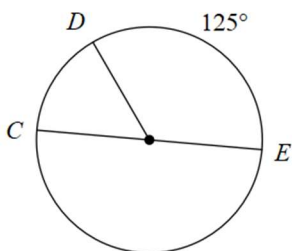**actual diameters.**

3) $m\overparen{JH}$

121°

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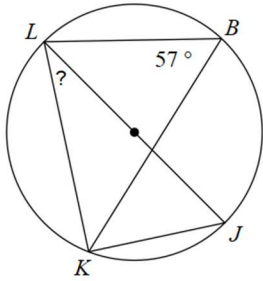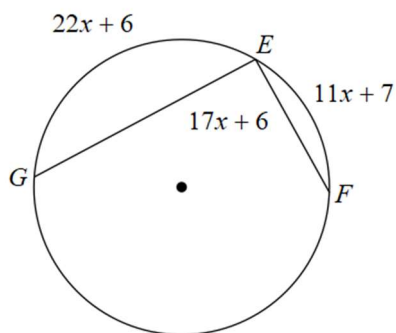**Assume that lines which appear to be diameters are**
actual diameters.

$m\overparen{DEC}$

91°

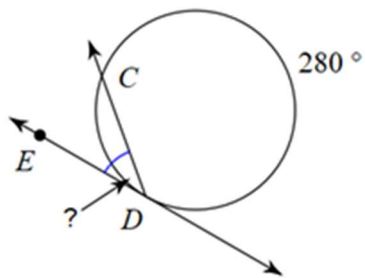**Find the measure of the arc or angle indicated.**

5)

$$\overset{\frown}{TVU}$$

Find $m\angle FEG$

$$99^\circ$$

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

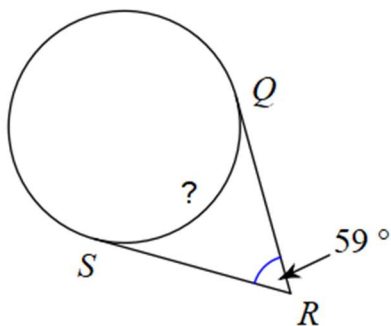7)

280°

$$305^\circ$$

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

8)

$$33^\circ$$

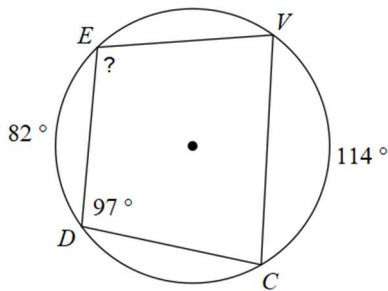**Solve for x. Assume that lines which appear tangent are tangent.**

9)

175 °

J

53 + 2x

61 °

M

L   K
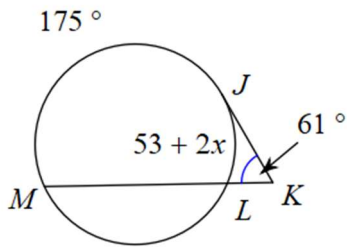
40°

Solve for x. Assume that lines which appear tangent are tangent.

M

N

50 °

K

12x − 5

U

17x + 17

L
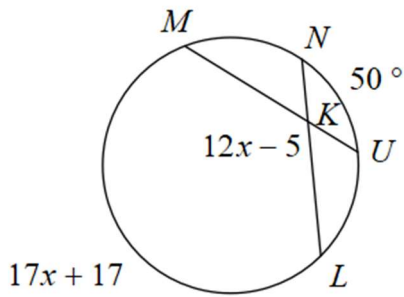
117°

Find the measure of the arc or angle indicated.

11)

E

V

?

82 °

114 °

97 °

D

C

∠2

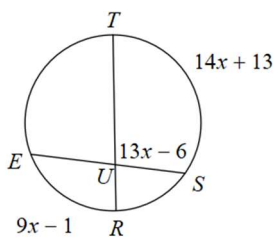**Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.**

12) Find $m\angle TUS$

T

14x + 13

E

13x − 6

U

S

9x − 1   R

0