I. Parts of a Circle

Use the above circle to find ONE of each of the following:

1. Radius: _____

2. Diameter: _____

3. Chord: _____

4. Secant: _____

5. Tangent: _____

6. Minor Arc: _____

7. Semi-circle: _____

8. Major Arc: _____

9. Central Angle: _____

10. Inscribed Angle: _____
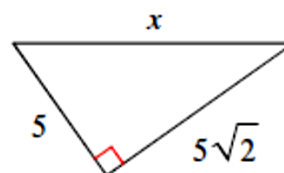
11. Outside Angle: _____

II. Day 2 Practice

Find the missing side of each triangle. Leave your answers in simplest radical form.
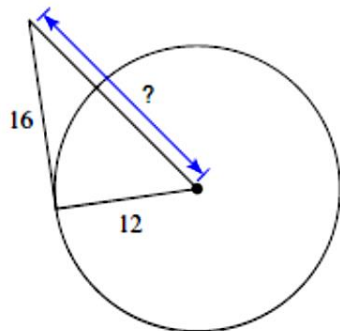
1)
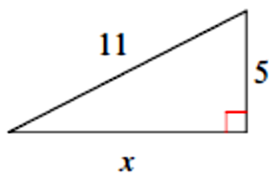
2)

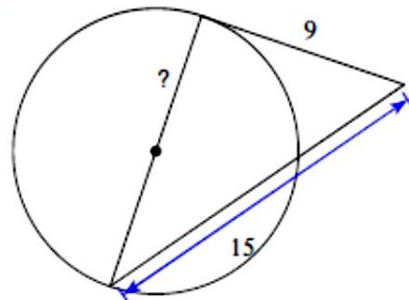**State if the three side lengths form an acute, obtuse, or right triangle.**

3) 5, 12, 15

4) $\sqrt{14}$, 3, $\sqrt{23}$

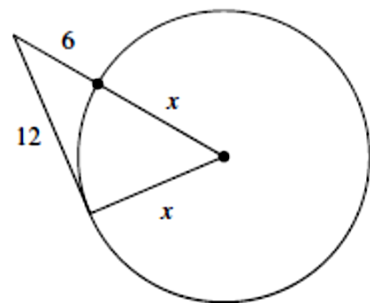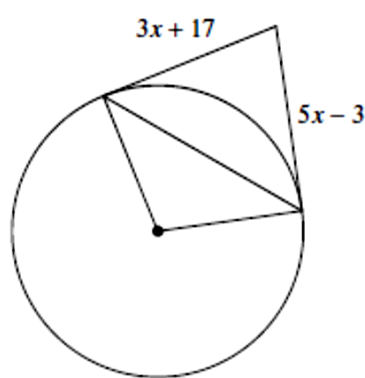**Find the segment length indicated. Assume that lines which appear to be tangent are tangent.**

5)

6)

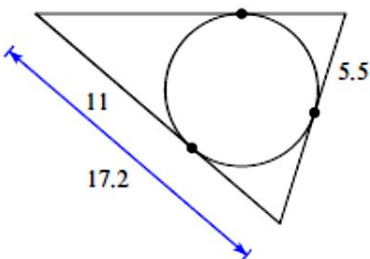**Solve for x. Assume that lines which appear to be tangent are tangent.**
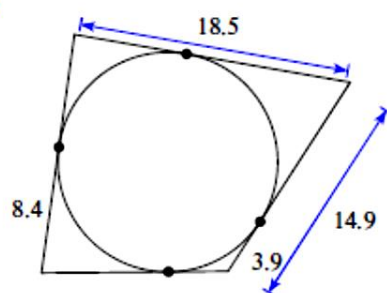
7)

8)

Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.
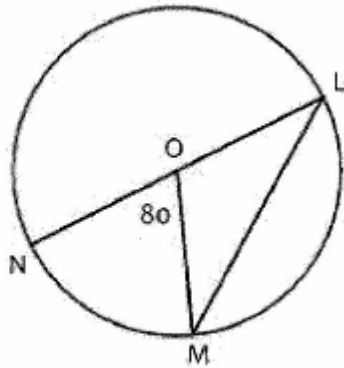
9)

10)

III.   Day 3 Practice

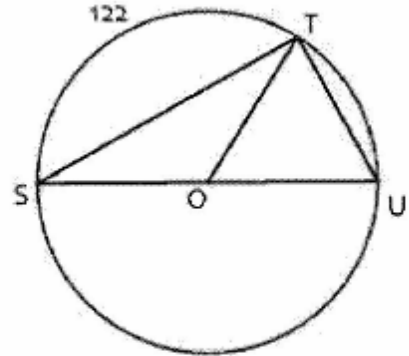Use the given figure to answer questions 1 – 6.
Assume O is the center of the circle.

1. $m\overset{\frown}{LMN}$

2. $m\overset{\frown}{MN}$

3. $m\angle LOM$

4. $m\overset{\frown}{LM}$

5. $m\angle L$

6. $m\overset{\frown}{MLN}$

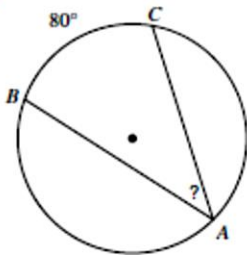Use the given figure to answer questions 7 – 12.
Assume O is the center of the circle.

$m\overset{\frown}{TU}$

$m\angle SOT$

$m\angle TOU$

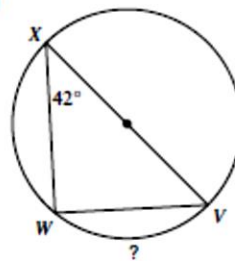$m\overset{\frown}{TSU}$

$m\angle OTU$

$m\overset{\frown}{SUT}$

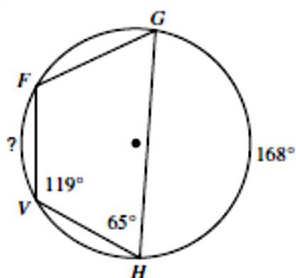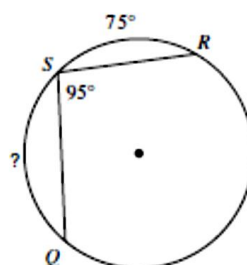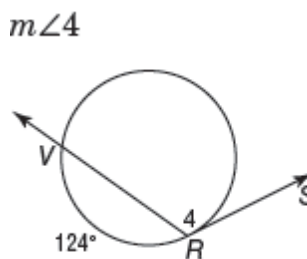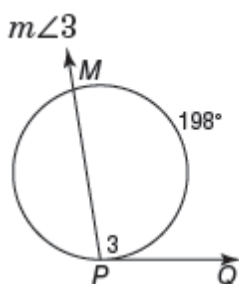**Find the measure of the arc or angle indicated.**

5)

6)

7)
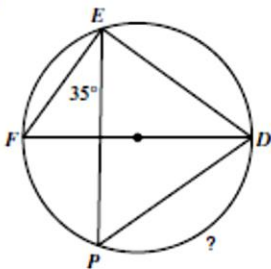
8)
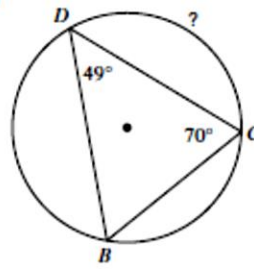
9)
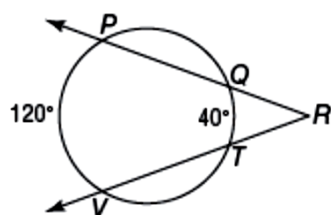
10)

Find the indicated angle measure.

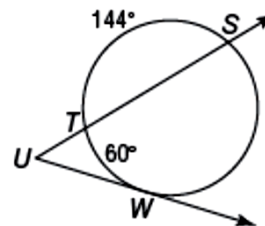$m\angle 3$

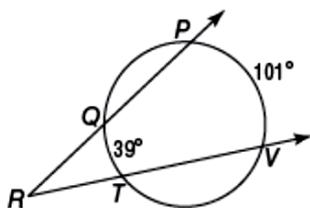

198°

M
3
P   Q

$m\angle 4$

V
4
S
124°
R

7. $m\angle R$

P
Q
120°   40°   R
T
V

8. $m\angle K$

100° M
L   72°
J
R   140°
K

9. $m\angle U$

144°   S
T
U   60°
W

4. $m\angle R$

P
101°
Q
39°   V
R   T

5. $m\widehat{GJ}$

15°   H
G
F
J
59°
L

6. $m\angle R$

T
Q   62°   116°
S
R

7. $m\angle Y$

L   Y
63°   W
105°
X

8. $m\widehat{CE}$

C   D
52°
E
Y

9. $m\widehat{YAB}$

Y   A
Z   37°
B