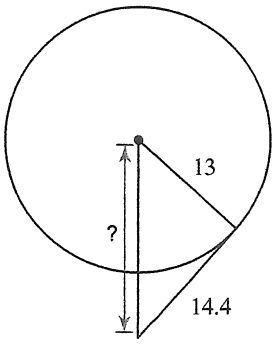
Geometry – Graded Assg Name_____

Tangent ~~Checkpoint - A~~ SHOW All WORK or EXPLAIN Date_____ Hour____

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

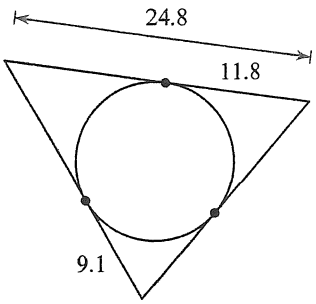
1)



A) 13.9 B) 12.7
C) 19.4 D) 15.1

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

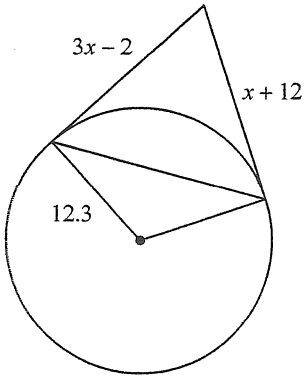
2)



A) 67.8 B) 50.9
C) 48.7 D) 94.9

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

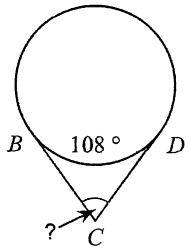
3)



A) 2 B) 7
C) 10 D) 4

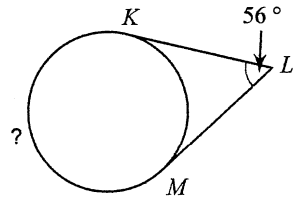
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

4)



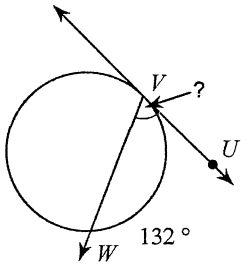
A) 72° B) 49°
C) 79° D) 74°

5)



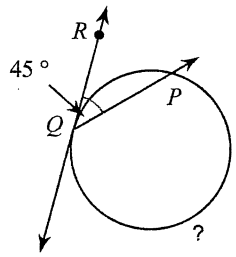
A) 236° B) 217°
C) 208° D) 180°

6)



A) 78° B) 33°
C) 47° D) 66°

7)



A) 270° B) 225°
C) 240° D) 290°

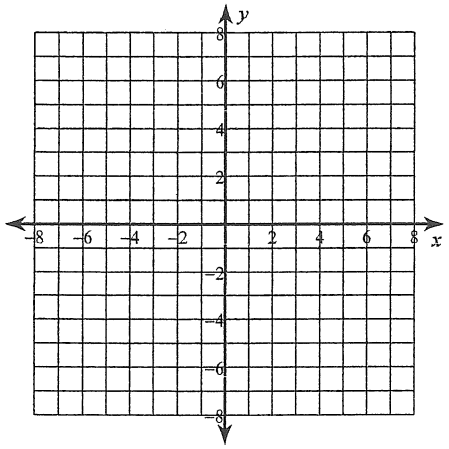
Geometry Name_____

Equations of Circles Hwk #2

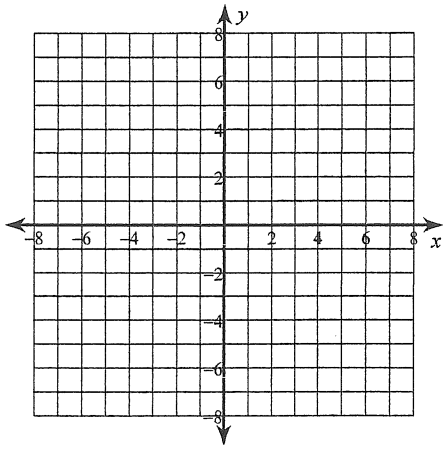
Date_____ Hr____

Identify the center and radius of each. Then sketch the graph.

1) $(x+2)^2+(y-1)^2=16$



2) $(x+2)^2+(y+4)^2=9$



Identify the center and radius of each.

3) $(x+15)^2+(y-4)^2=9$

4) $(x-7)^2+(y-3)^2=121$

Use the information provided to write the equation of each circle.

5) Center: $(10,-3)$
Radius: 7

6) Center: $(-11,-15)$
Radius: 4

7) Center: $(-13,-7)$
Point on Circle: $(-10,-10)$

8) Center: $(1,-8)$
Point on Circle: $(10,-11)$

9) Ends of a diameter: $(-5,0)$ and $(-15,-4)$

10) Ends of a diameter: $(6,-4)$ and $(0,-16)$