College Algebra
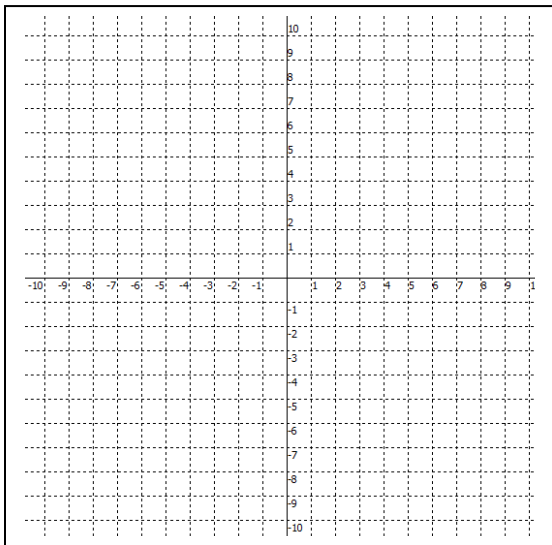
Name_____
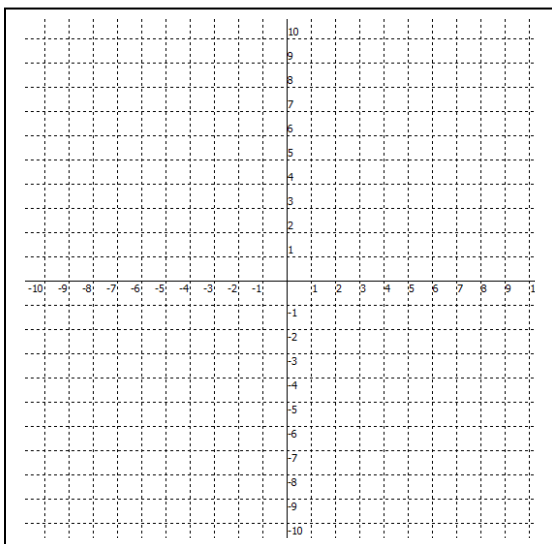
1. $(x+3)^2 + (y+1)^2 = 36$

Center:_____ Radius:_____

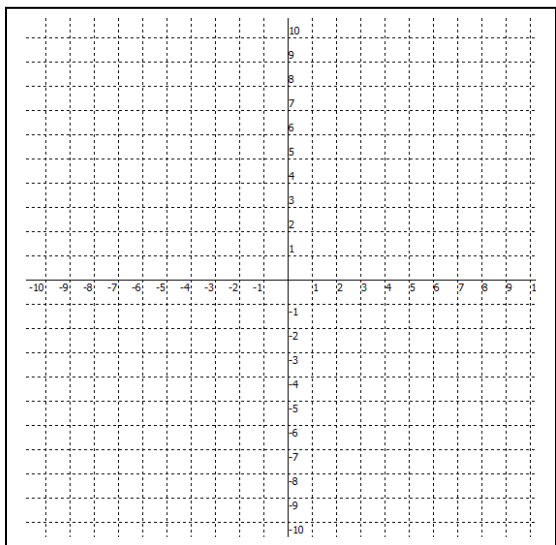2. $(x-4)^2 + (y-1)^2 = 25$

Center:_____ Radius:_____
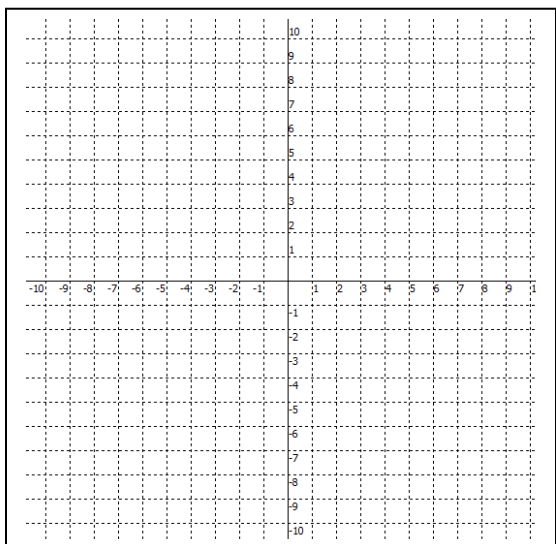

3. Find the equation of the circle with radius 7 and center $(2,0)$. Then sketch the graph.

Equation:_____

4. Find the equation of the circle with radius 3 and center $(3,-4)$. Then sketch the graph.

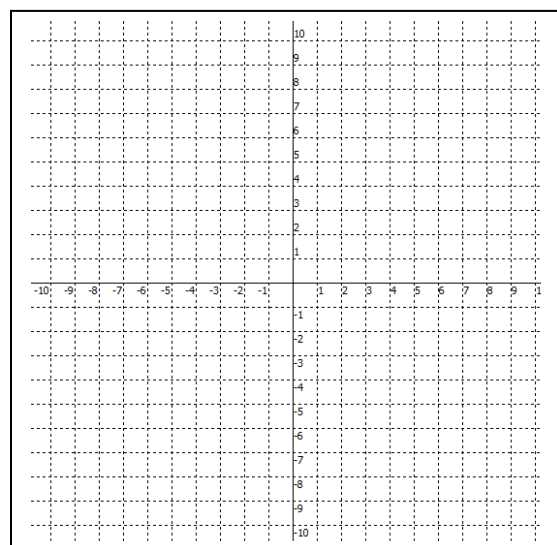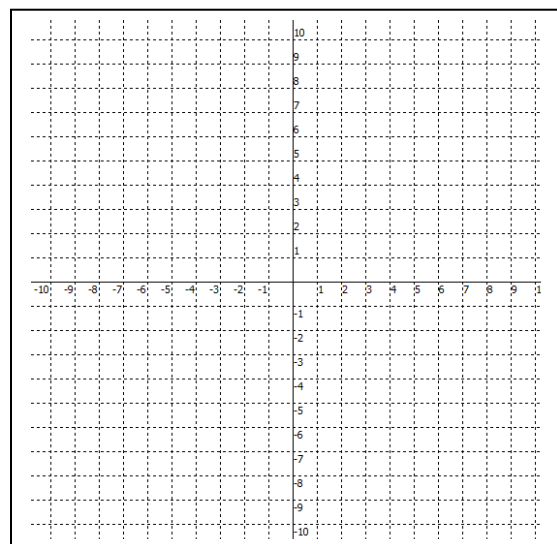Equation:_____

5. Find the eq. of the circle that passes through point $(1,-2)$ with center at $(4,2)$. Graph.
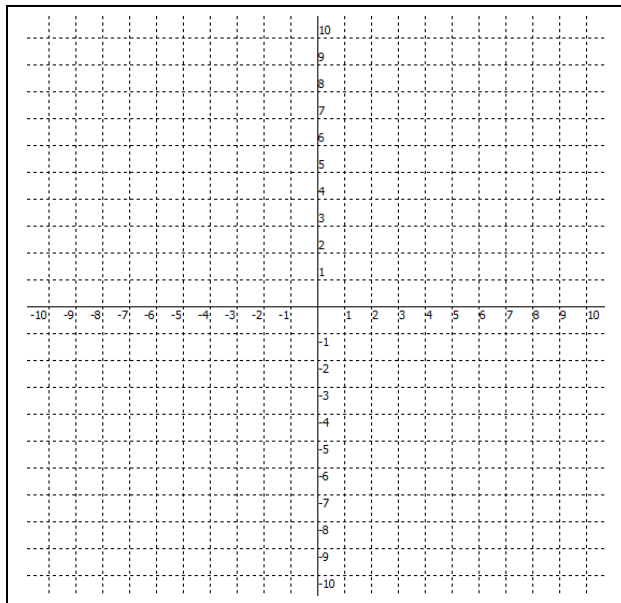
Equation:_____

6. Find the eq. of the circle that passes through point $(2,-7)$ with center at $(-2.5,-1)$. Graph.
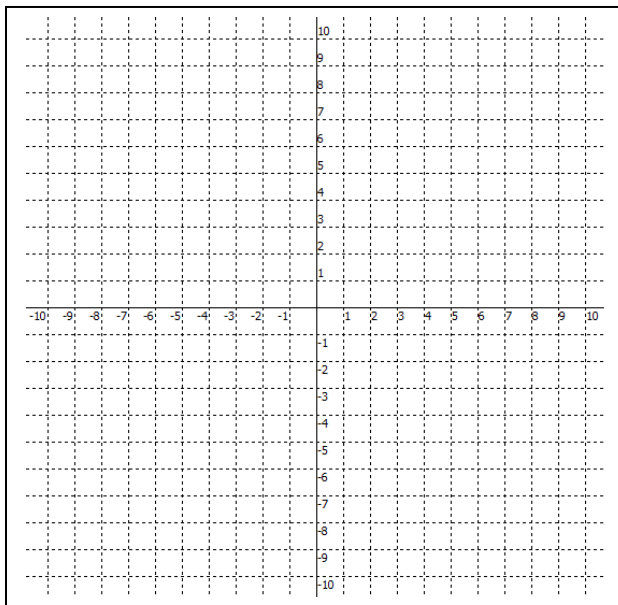
Equation:_____

7. $x^2 + y^2 + 2x + 6y - 39 = 0$

Center:_____ Radius:_____

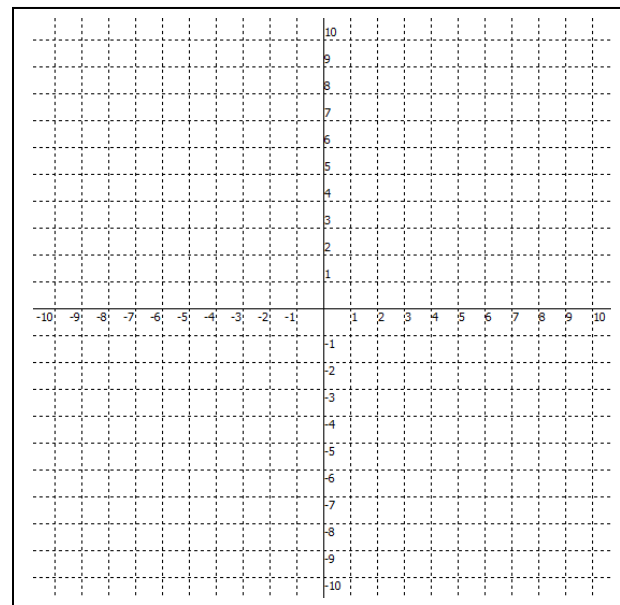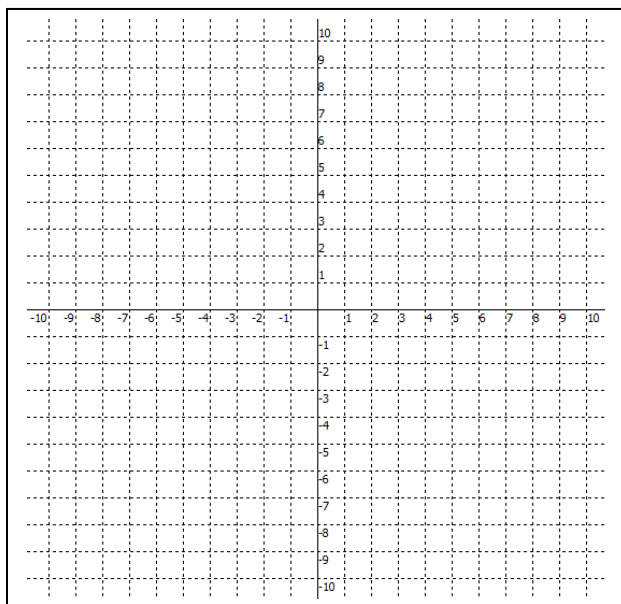9. $x^2 + y^2 + 12x - 2y + 28 = 0$

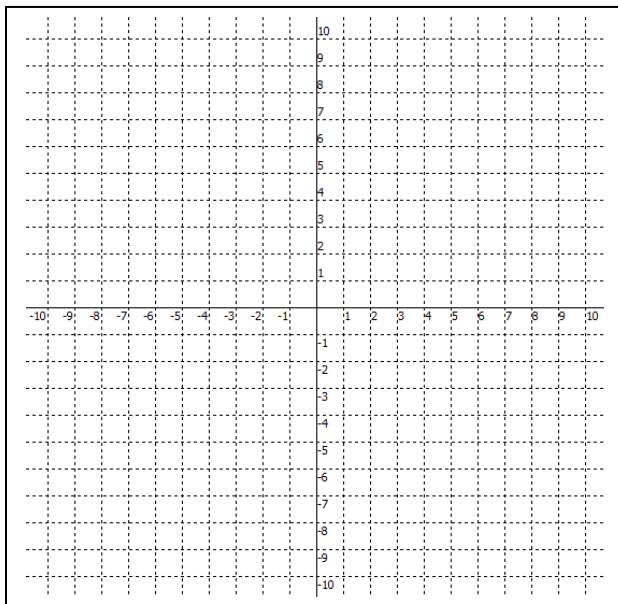Center:_____ Radius:_____

11. $x^2 + y^2 - 3y - 4 = 0$

Center:_____ Radius:_____

8. $x^2 + y^2 - 4x - 10y + 4 = 0$

Center:_____ Radius:_____

10. $x^2 + y^2 - 4x + 8y - 16 = 0$

Center:_____ Radius:_____

12. $x^2 + y^2 + 5x + 10y + 29 = 0$

Center:_____ Radius:_____