

**CHAPTER 13: COORDINATE GEOMETRY**

**NOTES SECTION 13.1: THE DISTANCE FORMULA**

**EQUATION OF A CIRCLE**

**10-12: Write an equation of the circle that has the given center and radius.**

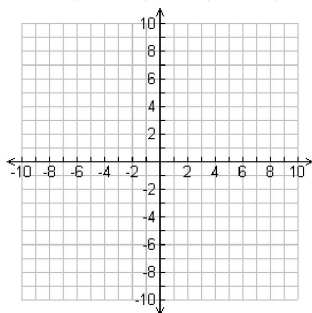
1)  $C(0,0)$  \_\_\_\_\_

2)  $C(-3,-8)$  \_\_\_\_\_

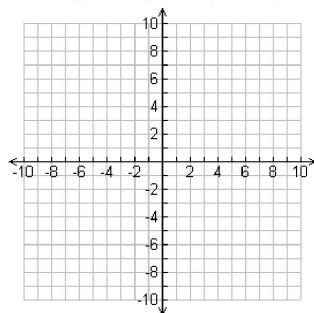
3)  $C(1,-2)$  \_\_\_\_\_

**13-15: Find the center and radius of each circle. Sketch the graph.**

4)  $(x-2)^2 + (y+4)^2 = \underline{\hspace{2cm}}$



5)  $(x+7)^2 + (y+3)^2 = \underline{\hspace{2cm}}$



6)  $x^2 + (y-1)^2 = \underline{\hspace{2cm}}$

