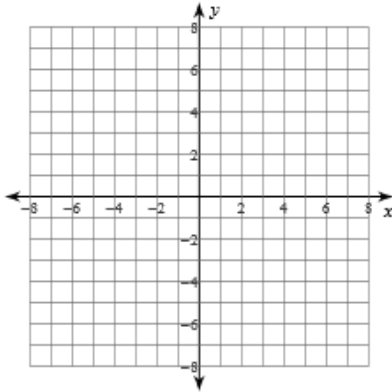


## Conic Sections Test Review

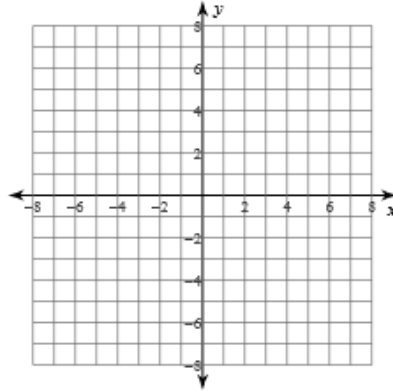
Date \_\_\_\_\_ Period \_\_\_\_\_

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

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



2)  $x^2 + y^2 - 6x + 4y + 4 = 0$

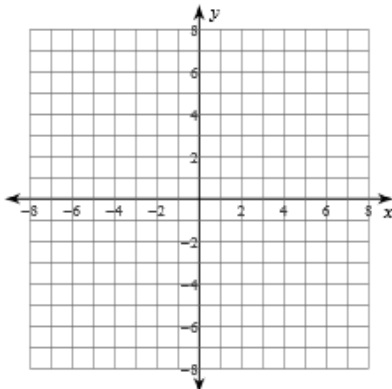
**Use the information provided to write the standard form equation of each circle.**

3) Center:  $(-10, 10)$

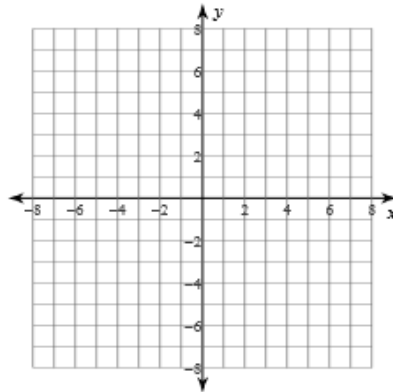
Point on Circle:  $(-3, 15)$

**Graph each equation.**

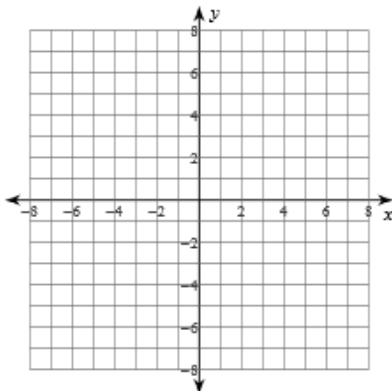
4)  $\frac{(x - 1)^2}{25} + \frac{(y + 3)^2}{16} = 1$



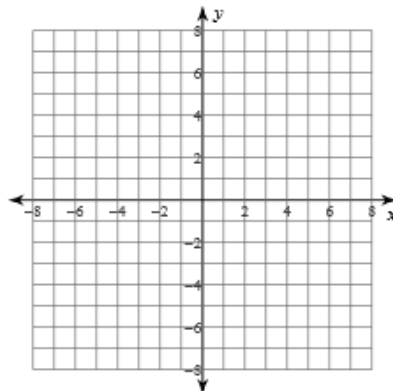
5)  $49x^2 + 4y^2 - 98x - 147 = 0$



6)  $-x^2 + y^2 + 2y - 15 = 0$



7)  $25x^2 - 9y^2 + 100x - 125 = 0$

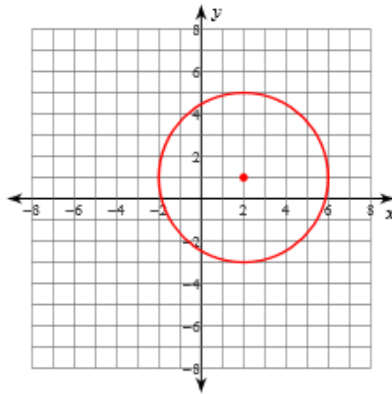


## Conic Sections Test Review

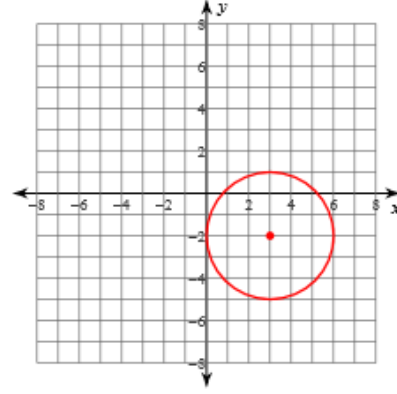
Date \_\_\_\_\_ Period \_\_\_\_\_

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

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

Center: (2, 1)  
Radius: 4

2)  $x^2 + y^2 - 6x + 4y + 4 = 0$

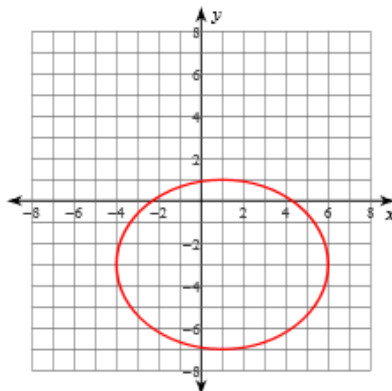
Center: (3, -2)  
Radius: 3

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

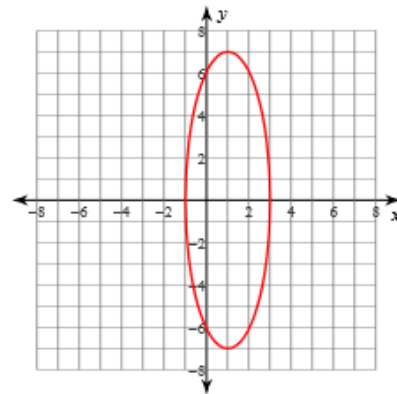
3) Center: (-10, 10)  $(x + 10)^2 + (y - 10)^2 = 74$   
Point on Circle: (-3, 15)

Graph each equation.

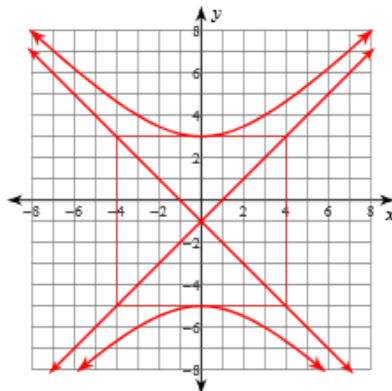
4)  $\frac{(x - 1)^2}{25} + \frac{(y + 3)^2}{16} = 1$



5)  $49x^2 + 4y^2 - 98x - 147 = 0$



6)  $-x^2 + y^2 + 2y - 15 = 0$



7)  $25x^2 - 9y^2 + 100x - 125 = 0$

