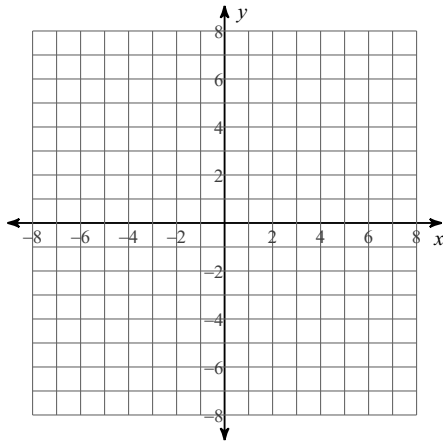


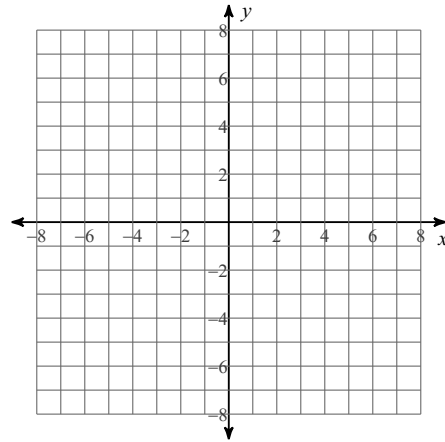
Graphing Conics

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

1) $13 + 4y = -y^2 - x^2 + 8x$

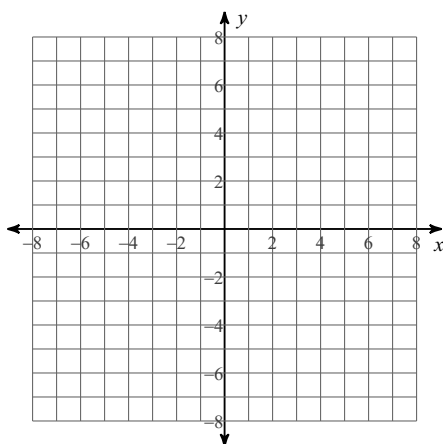


2) $(x - 1)^2 + (y - 1)^2 = 3$

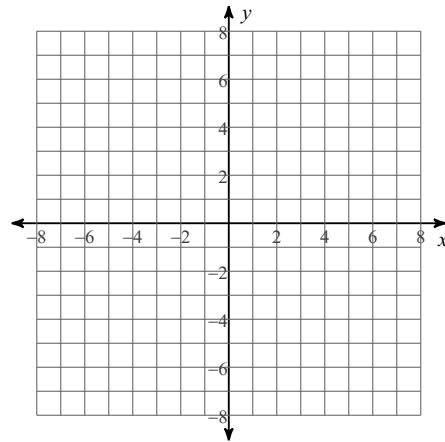


Identify the center, vertices, co-vertices, and foci of each. Then sketch the graph.

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

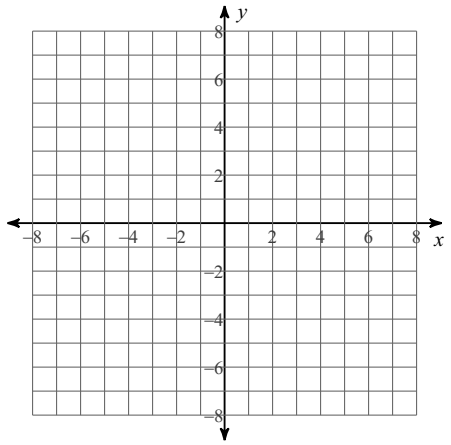


4) $4x^2 + 9y^2 + 24x + 36y + 36 = 0$

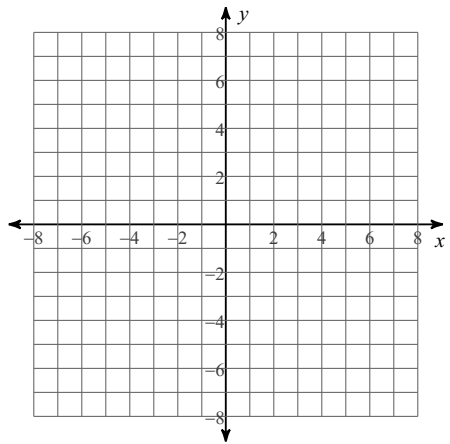


Identify the vertices and foci of each. Then sketch the graph.

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

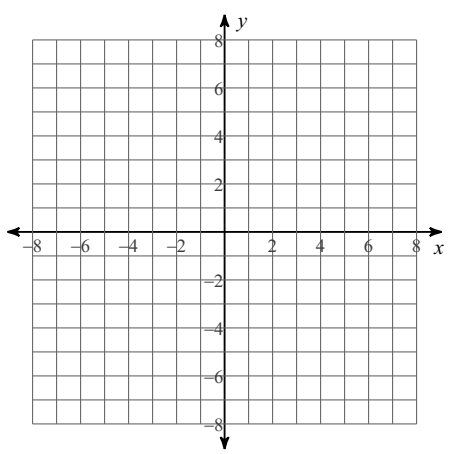


6) $y^2 - 9 = -6x - 2y + x^2$

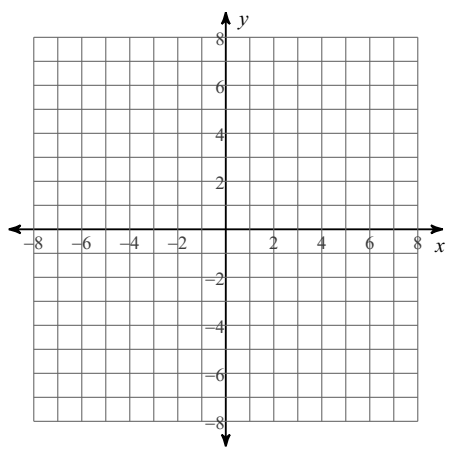


Identify the vertex, focus, axis of symmetry, and directrix of each. Then sketch the graph.

7) $\frac{1}{2}(x+2) = (y-1)^2$

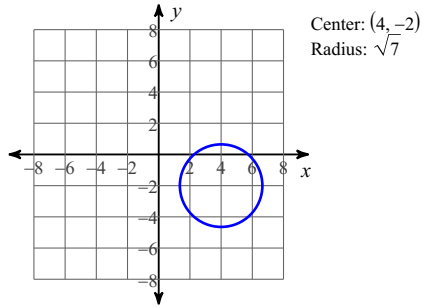


8) $-x^2 + 4x + y - 5 = 0$

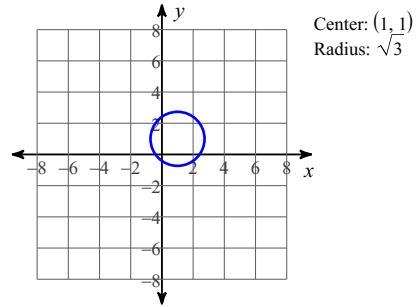


Answers to Graphing Conics

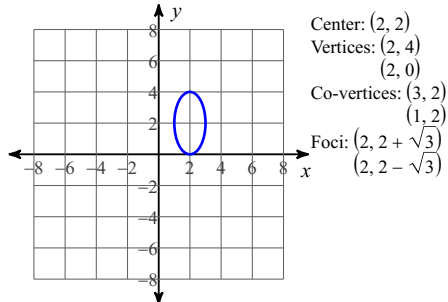
1)



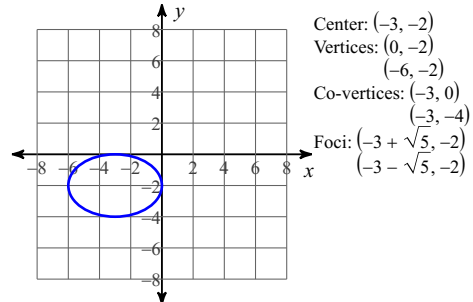
2)



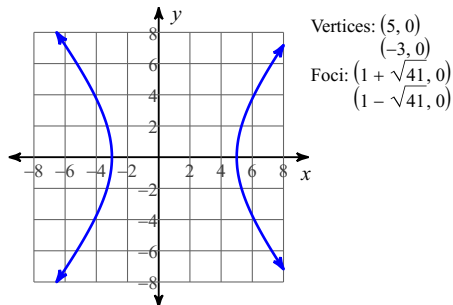
3)



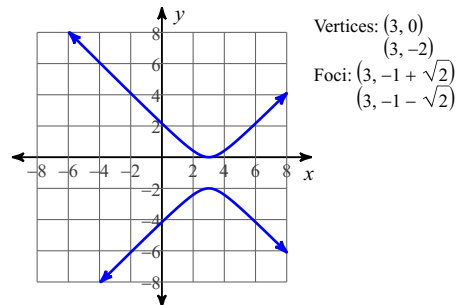
4)



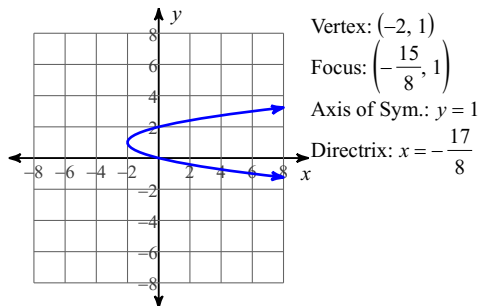
5)



6)



7)



8)

