Chapter 13 Practice Test

When graphing a parabola, identify the vertex and any intercepts.
When graphing a circle, identify the center and radius.
When graphing an ellipse, identify the center, a, and b.
When graphing a hyperbola, identify the center, a, and b. Draw the asymptotes.

1. $y = x^2 + 8x + 11$

2. $x = y^2 - 10y + 15$

3. $x^2 + y^2 = 16$

4. $(x - 8)^2 + (y + 3)^2 = 9$

5. $x^2 + y^2 + 12x - 2y - 12 = 0$

6. $\dfrac{x^2}{25} + \dfrac{y^2}{9} = 1$

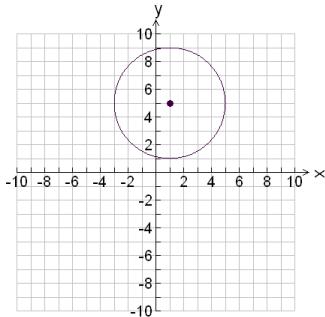7. $\dfrac{(x - 8)^2}{25} + \dfrac{(y - 1)^2}{4} = 1$

8. $9x^2 + 16y^2 + 90x - 64y + 145 = 0$

9. $\dfrac{x^2}{9} - \dfrac{y^2}{25} = 1$

10. $\dfrac{(y + 3)^2}{4} - \dfrac{(x + 2)^2}{81} = 1$

Find the equation of the conic section.

11.	12.