Identify each type of conic. How do you know? 6. Graph the circle: 

1. 

Center:

Radius:

1. 
2. 
3. 
4. 

Graph each of the following:

1.  8. 

Center:

Vertices:

Co-vertices:

Foci:

Major:

Minor:

Vertex:

Foci:

Directrix:

AOS:

 9.  10. Solve the following system:



Center:

Vertices:

Foci:

Asymptotes:

11. Write the equation of the parabola with focus (2, -1) and vertex at (-1,-1)

12. Write the equation of the ellipse given the following information:

Vertices: (2, 5) and (2, -7)

Co-vertices: (-1, 1) and (5, -1)

13. Write the equation of the hyperbola with foci (1, 5) (1, -3) and vertices (1, 3) (1, -1)

14. For the following equation identify the focus, vertex, and directrix: 

15. Write the equation of the ellipse with vertices (5, 0) (-1,0) and covertices (2, 2) (2, -2)

16. Write the of the circle with center (1, 4) and Area=81π