**Conic Sections - Circles and Ellipses**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the equation of a circle with diameter endpoints (4, 5) and (6, 1).
2. Find the equation of a circle with center (5, -3) and tangent to the x-axis.
3. Find the equation of a circle with center (-4, 6) and tangent to the y-axis.
4. Find the center, radius of the circle, and graph. 6. Find the center, radius, and graph of the circle.

 

 

1. Find the standard form of the equation of the ellipse with a horizontal major axis of length 8 and minor axis of length 4, center at (-1, 3)
2. Find the center, vertices, co-vertices, 8. Find the standard form of the ellipse, then find the

foci, and graph of the ellipse. center, vertices, co-vertices, foci, and graph.

 

 

1. Write the equation in standard form. 10. Find the solution of the system of equations by graphing.

 

 The equation of the ellipse is . Write an equation for