Assignment #2 **Name** _____

Due 11 September 2009

1. Find the equation of the line that is perpendicular to $2x + 3y = 18$ and passes through its x-intercept. Sketch these lines.

2. What are the center and radius of the circle given by the equation $x^2 + y^2 + 4x - 2y + 2 = 0$.

3. Sketch the graph of the parabola given by the equation $x^2 - 2x + y - 2 = 0$. Include the vertex and at least two other points in your sketch.