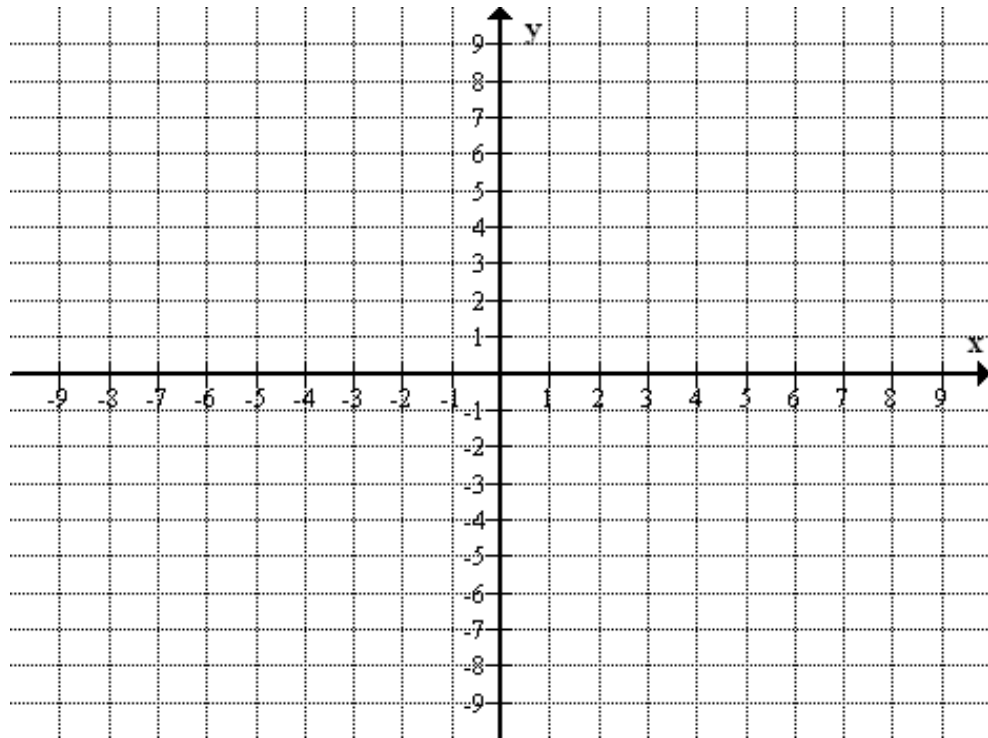# Offline HW 9

This assignment is **due on Monday, November 20**. No extensions will be given.
SHOW COMPLETE WORK. NO WORK, NO CREDIT.

1. Write the equation in the standard form of the parabola with the focus at (2,4), and directrix $x = -4$. Find the coordinates of the vertex, and graph the parabola. Plot at least 2 points on the graph.

2. Write the equation in the standard form. Find the coordinates of the vertex, focus, directrix, and the y-intercept. Graph the equation.

$$x^2 + 6x + 8y + 1 = 0$$