1. Give an equation of a vertical line passing through (3, 1) and give an equation of horizontal line passing through (1, -1).

2. Find an equation of a line passing through the point (2, -3) and parallel to the line $2x - y = 4$.

3. Find an equation of a line passing through the point (-1, 4) and perpendicular to the line $3x + 6y = 12$.

4. Given $f(x) = 2x^2 - 4x + 1$, find the zeros and the minimum value of the function.

5. Sketch the following quadratic function $f(x) = -x^2 + 3x - 4$ and label the vertex.

Extra Credit:
1. Find an equation of a line passing through the point (1, -2) and is perpendicular to a line that is perpendicular to the line $3y - 2x = 7$. 