Bellwork Friday, June 6, 2014

1. Find the equation for the LOS and the coordinates for the vertex of each quadratic.

a) $y = 4x^2 - 16x - 7$

b) $y = -x^2 + 12x - 13$

c) $y = 5x^2 + 20$

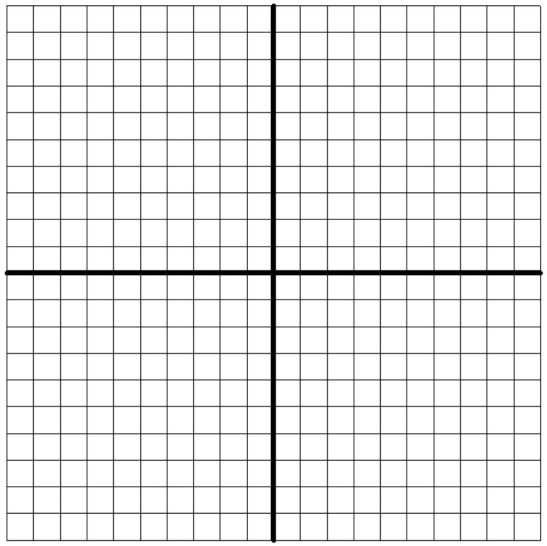
2. Find the y-intercept for each quadratic.

a) $y = -3x^2 + 6x - 7$

b) $y = 9x^2 + 7x$

c) $y = 4x^2 + 3x + 18$

3. Graph the following quadratic using the vertex and two points on each side. $y = -x^2 - 10x - 27$



4. Find the x-intercepts of the graph of the following quadratic by factoring: $y = x^2 + 6x - 16$

5. Given the x-intercepts of a parabola are 4 and 14 find the equation for the LOS.