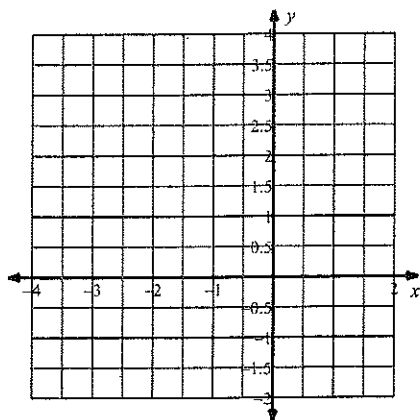


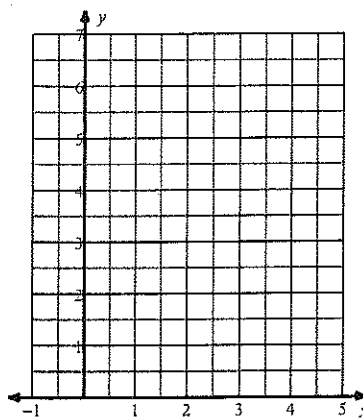
Quadratics Assignment

Use your calculator to graph each of the functions. Identify the axis of symmetry and vertex. Is the vertex a minimum or maximum?

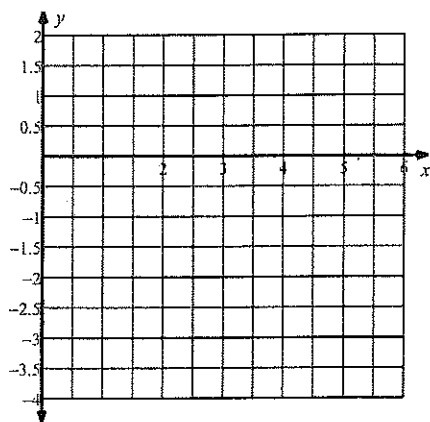
1) $y = -x^2 - 4x - 1$



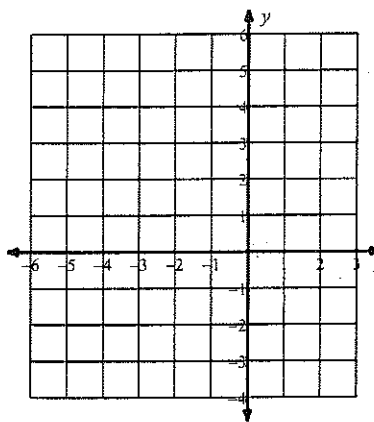
2) $y = x^2 - 6x + 11$



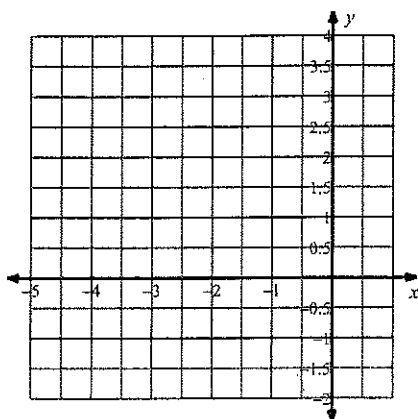
3) $y = -x^2 + 6x - 8$



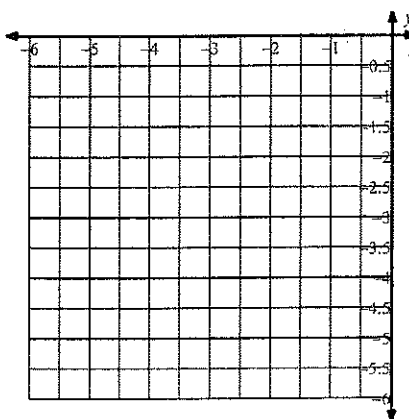
4) $y = 2x^2 + 16x + 29$



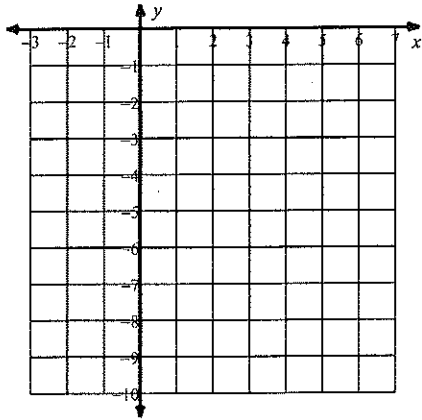
5) $f(x) = -x^2 - 4x - 1$



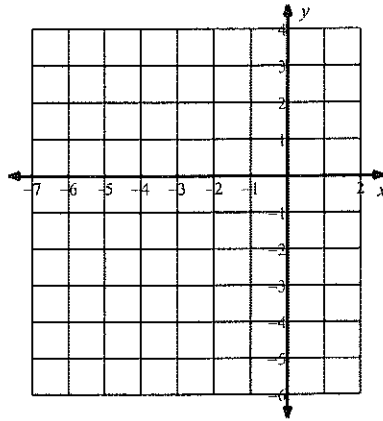
6) $f(x) = -x^2 - 4x - 5$



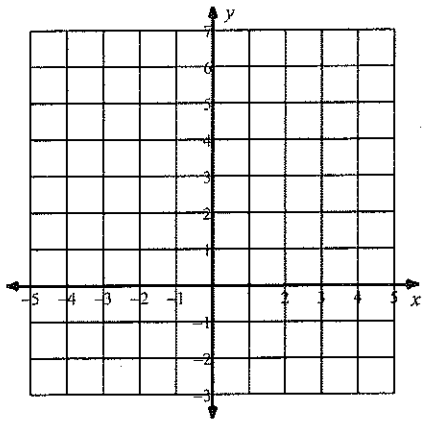
7) $f(x) = -2x^2 + 4x - 3$



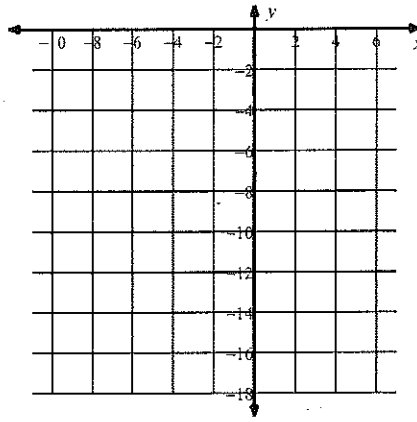
8) $f(x) = -2x^2 - 16x - 29$



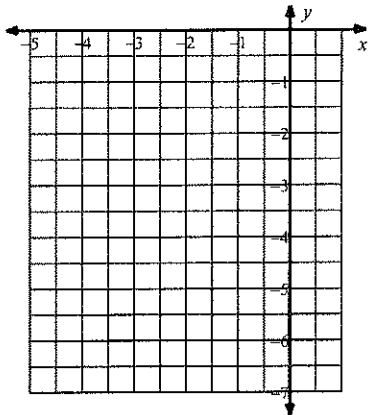
9) $y = 2x^2 + 4x$



10) $y = -4x^2 + 24x - 37$



11) $y = -x^2 - 4x - 6$



12) $y = x^2 + 4x$

