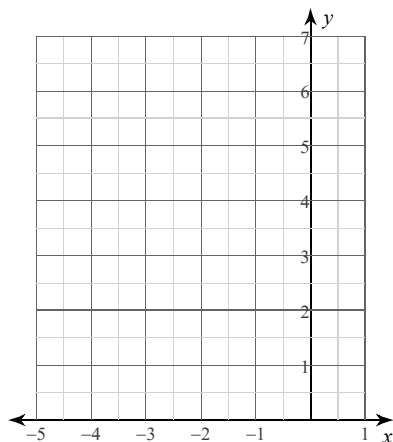


4-2 Extra Practice

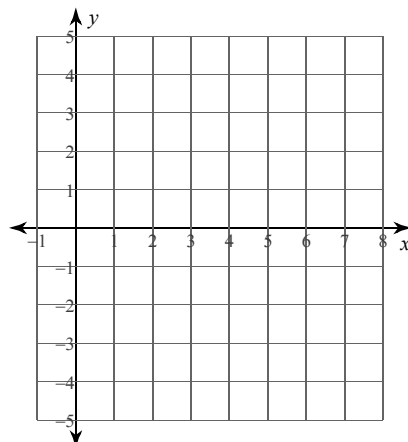
Date _____ Period _____

Sketch the graph of each function. Label the vertex and sketch the axis of symmetry.

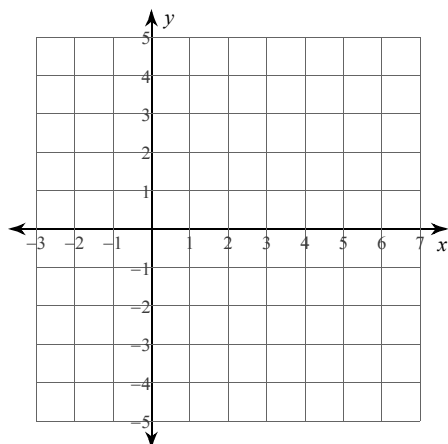
1) $f(x) = x^2 + 4x + 6$



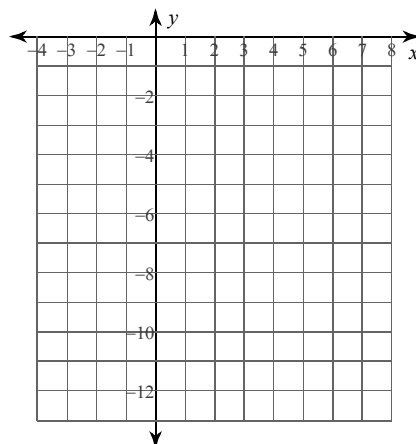
2) $f(x) = -2x^2 + 16x - 28$



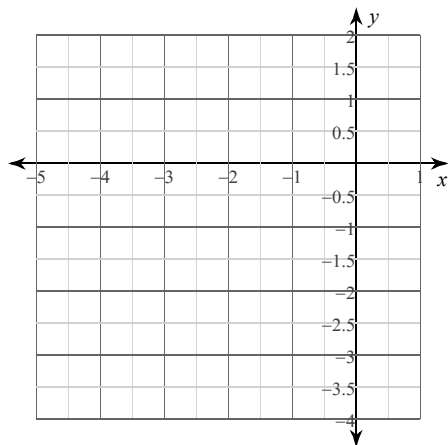
3) $f(x) = 2x^2 - 4x - 2$



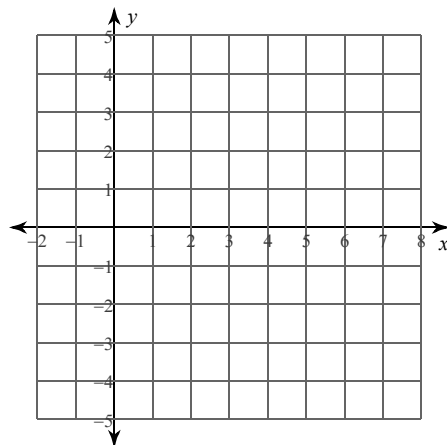
4) $f(x) = -2x^2 + 4x - 6$



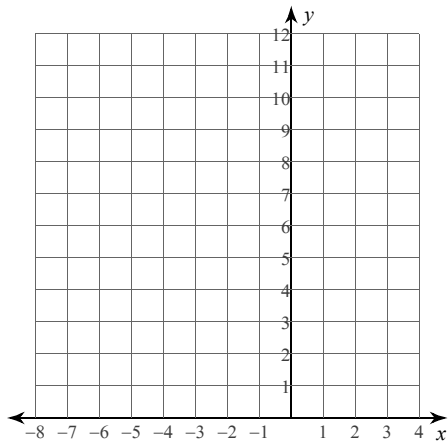
5) $f(x) = x^2 + 4x + 1$



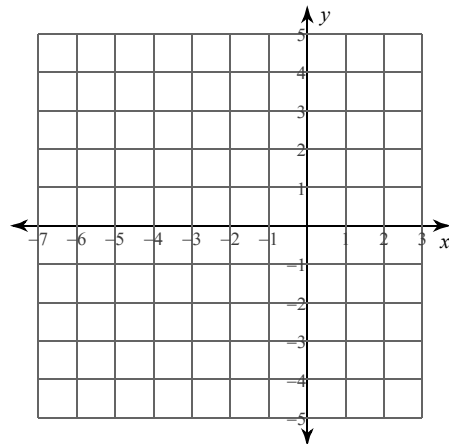
6) $f(x) = 2x^2 - 12x + 14$



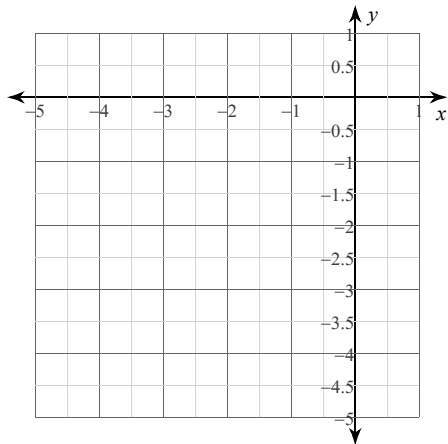
7) $f(x) = 2x^2 + 8x + 11$



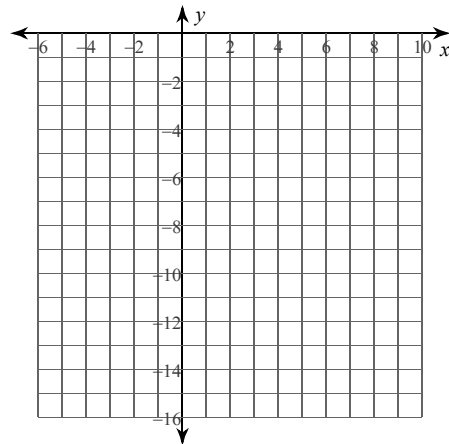
8) $f(x) = -2x^2 - 4x + 2$



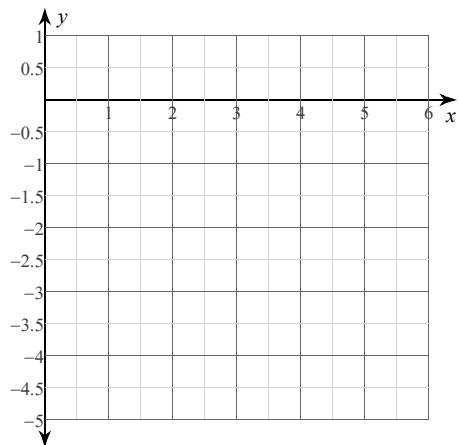
9) $f(x) = x^2 + 6x + 5$



10) $f(x) = -3x^2 - 6x - 6$



11) $f(x) = x^2 - 6x + 5$



12) $f(x) = x^2 - 6x + 6$

