

Due:

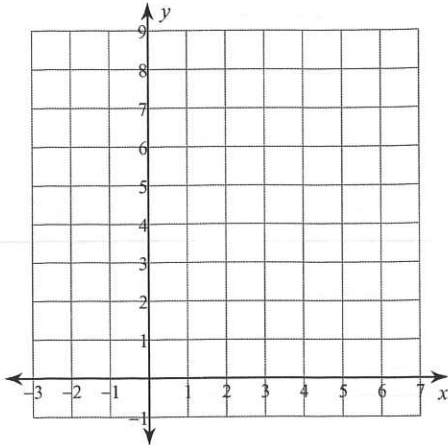
Name _____ ID: 49

Graphing Quadratic Functions HW-1

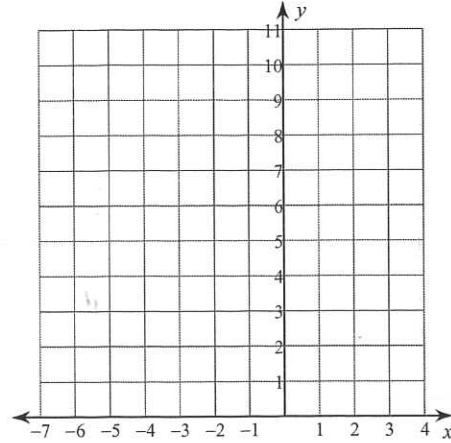
Date _____ Period _____

1. Sketch the graph of each function.
2. State the Vertex
3. Axis of Symmetry.

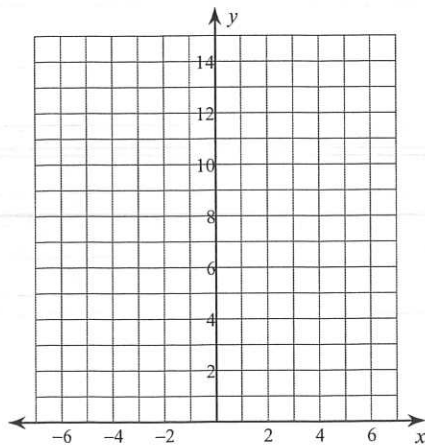
1) $f(x) = 2x^2$



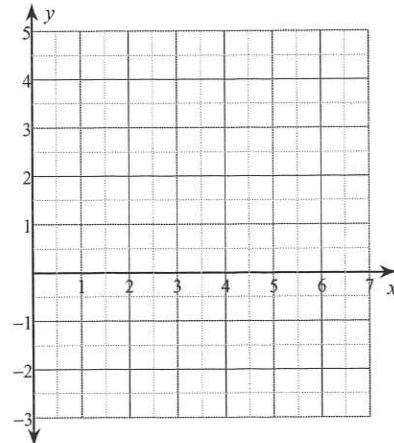
2) $f(x) = 2x^2 + 16x + 34$



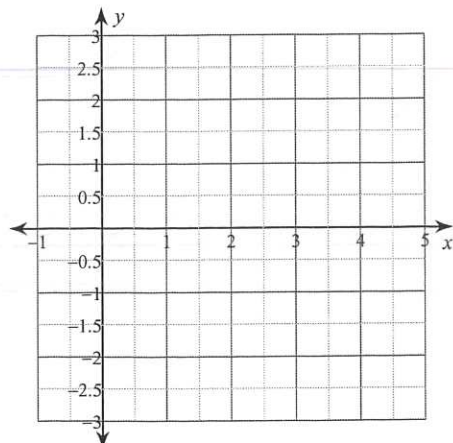
3) $f(x) = 3x^2 - 6x + 5$



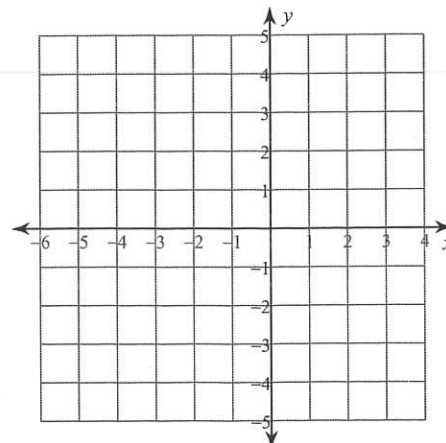
4) $f(x) = -x^2 + 8x - 13$



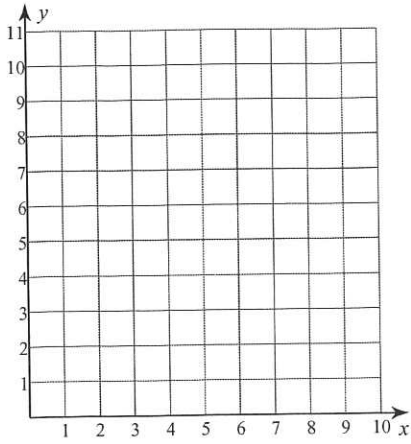
5) $f(x) = -x^2 + 2x + 1$



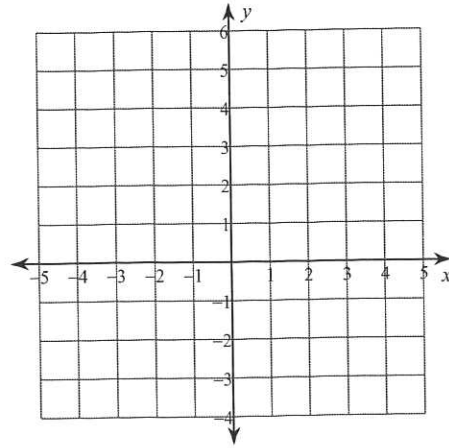
6) $f(x) = -2x^2 - 4x + 2$



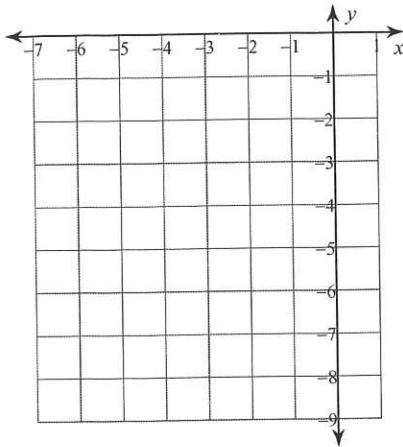
7) $f(x) = 2x^2 - 12x + 20$



8) $f(x) = 2x^2 - 8x + 5$

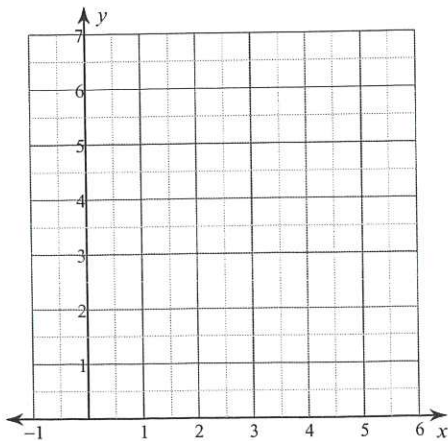


9) $f(x) = -x^2 - 4x - 8$



1. Sketch the graph of each function.
2. State the Vertex
3. Axis of Symmetry
4. Minimum or Maximum Vertex

10) $f(x) = \frac{1}{2}x^2 - 4x + 12$



11) $f(x) = -x^2 + 4x - 1$

