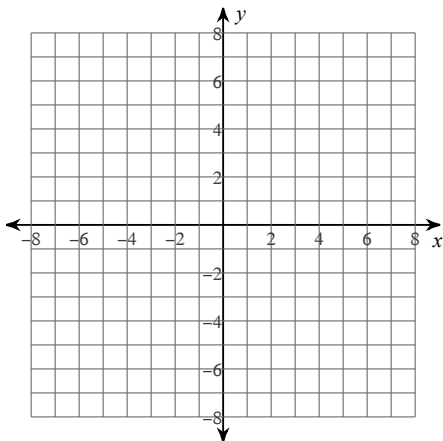


Graphing in Standard Form

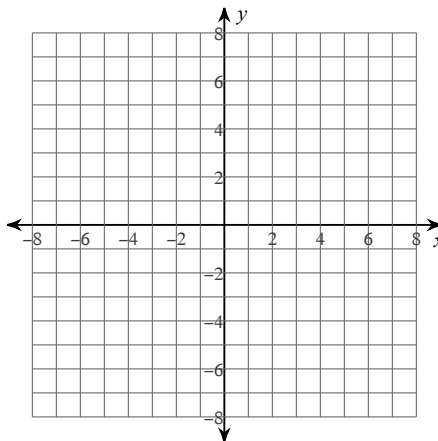
Date _____ Period _____

Identify the vertex, axis of symmetry, and min/max value of each. Then sketch the graph.

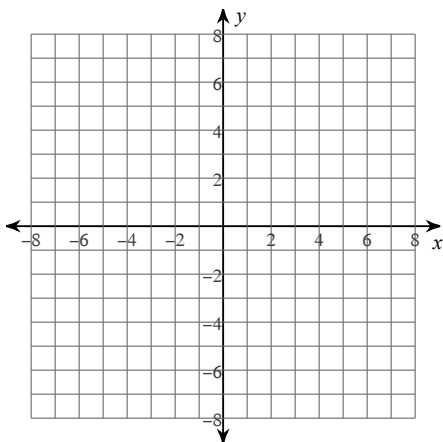
1) $f(x) = -x^2 + 2x - 7$



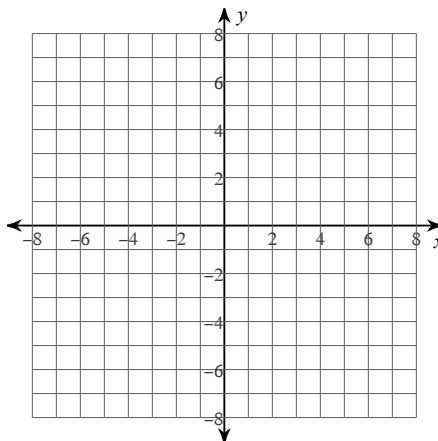
2) $f(x) = -x^2 + 2x + 1$



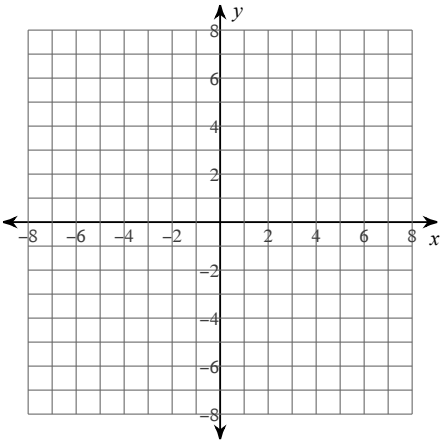
3) $f(x) = \frac{1}{4}x^2 + 3x + 6$



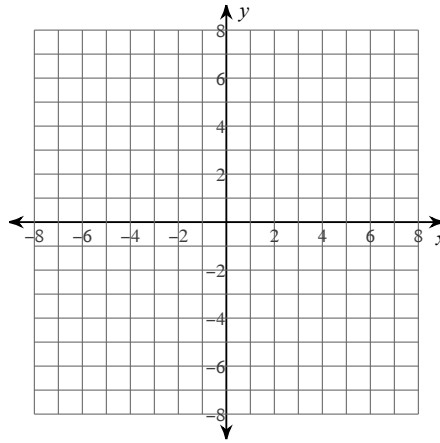
4) $f(x) = x^2 + 4x + 5$



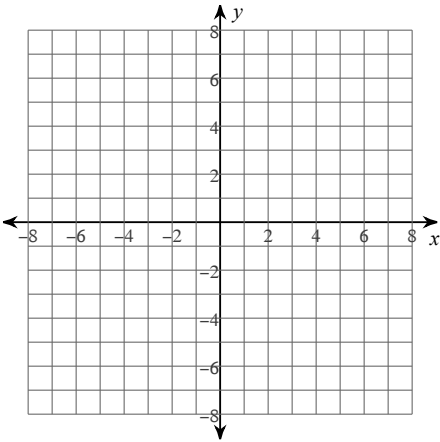
5) $f(x) = x^2 + 4x + 2$



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



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



8) $f(x) = -\frac{1}{2}x^2 - 2x - 6$

