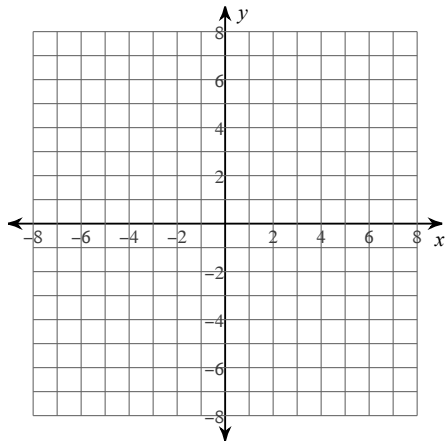


## Standard Form

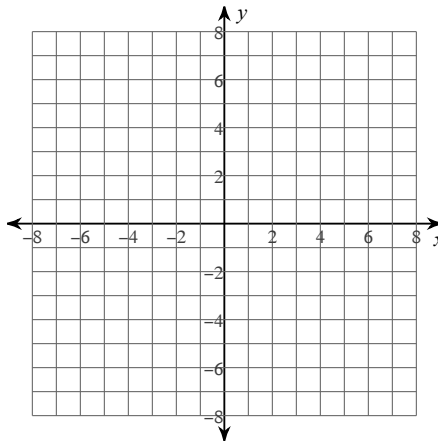
Date \_\_\_\_\_ Period \_\_\_\_\_

Identify the vertex, axis of symmetry, min/max value, y-intercept, and decreasing/increasing values of each. Then sketch the graph.

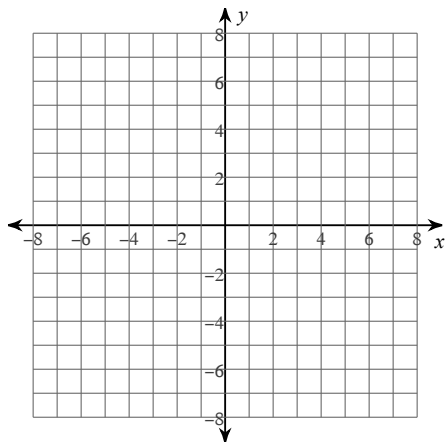
1)  $f(x) = 2x^2 + 8x + 6$



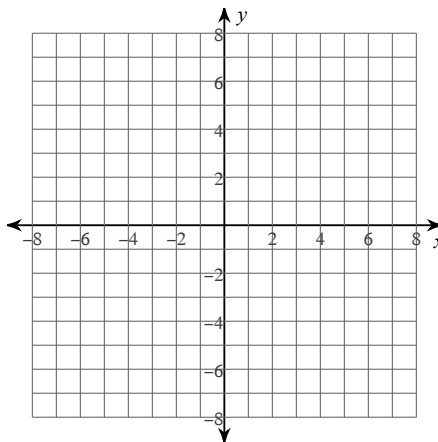
2)  $f(x) = x^2 + 6x + 3$



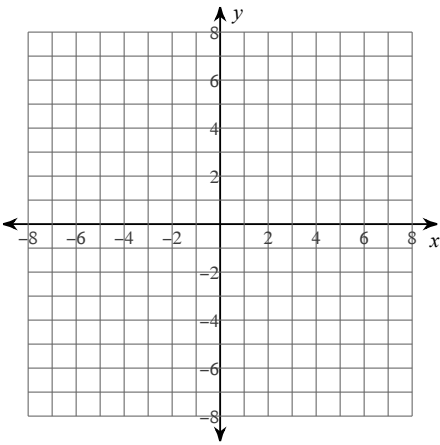
3)  $f(x) = 2x^2 + 8x + 2$



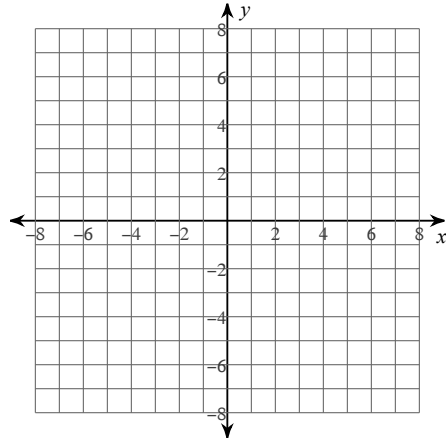
4)  $f(x) = -x^2 + 2x + 3$



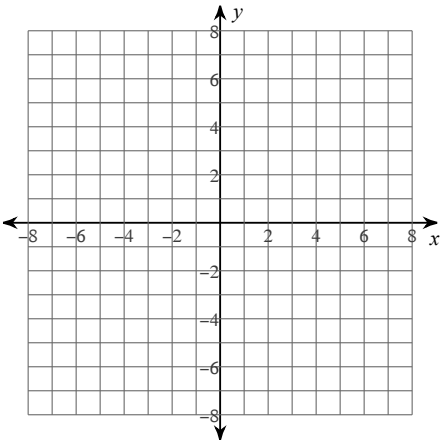
5)  $f(x) = -2x^2 + 4x - 2$



6)  $f(x) = -\frac{1}{2}x^2 + 4x - 8$



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



8)  $f(x) = -2x^2 + 8x - 12$

