Algebra 2   Name_____
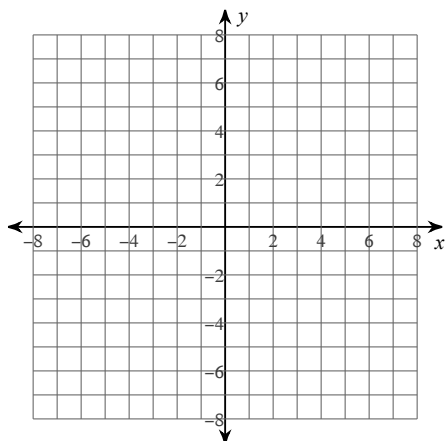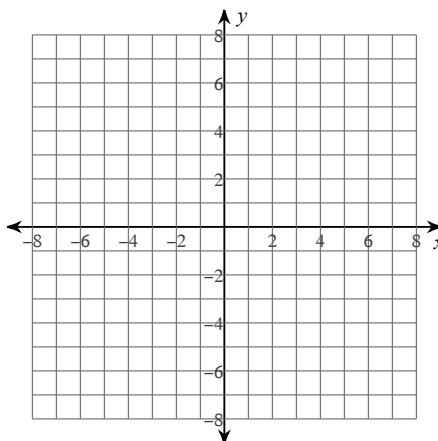
Graphing in Intercept Form

Date_____ Period_____

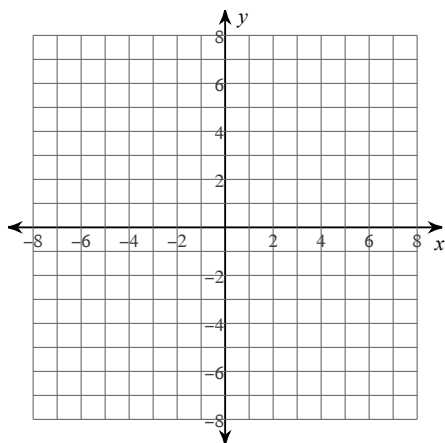**Identify the vertex, axis of symmetry, and min/max value of each. Then sketch the graph.**
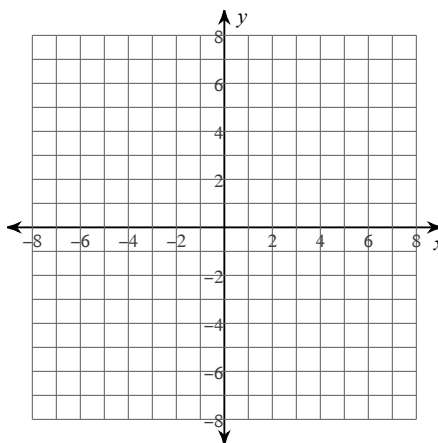
1) $f(x) = -(x + 4)(x + 2)$

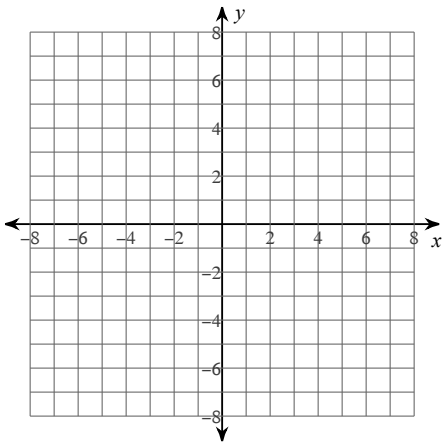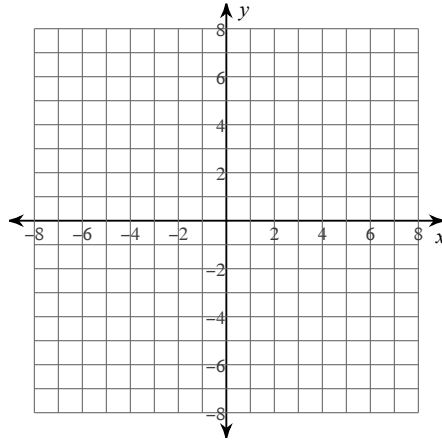2) $f(x) = 2(x + 4)(x + 2)$

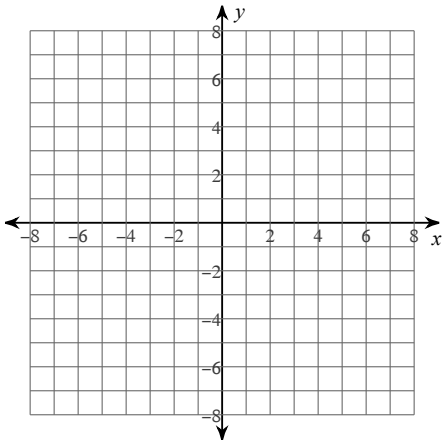3) $f(x) = 2(x - 3)(x - 1)$

4) $f(x) = (x - 7)(x - 5)$

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

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

7) $f(x) = (x - 5)(x - 1)$

8) $f(x) = -(x + 5)(x + 3)$