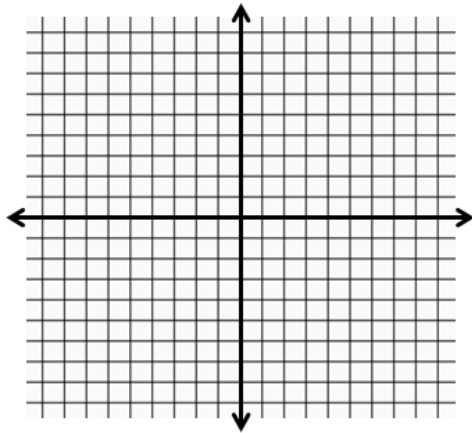


Algebra 1 Homework – 8-3 and 8-4

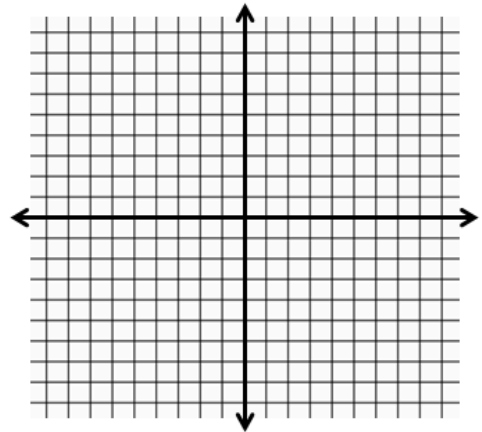
Name: _____ **Date:** _____ **Block:** _____

Graph each quadratic function.

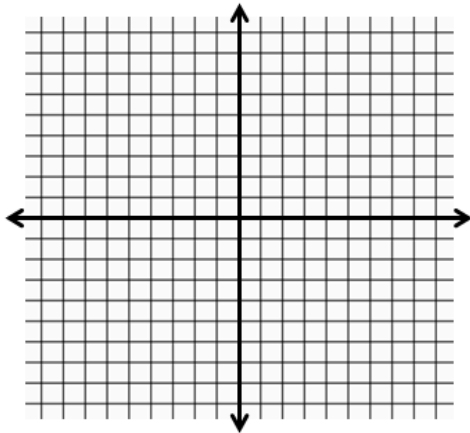
1) $y = x^2 + 4x - 4$



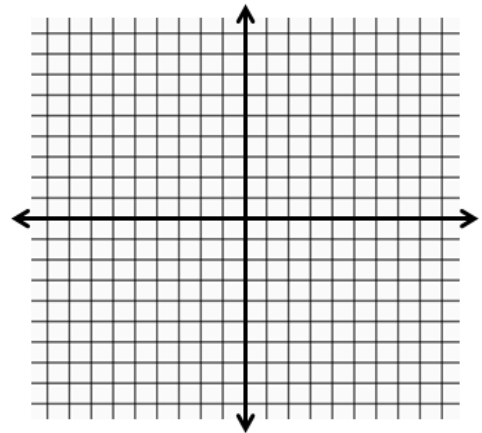
2) $y = -2x^2 - 8x - 10$



3) $y = -3x^2 + 12x - 8$



4) $y = \frac{1}{2}x^2 + 4x$



Compare the graph of each function with the graph of $f(x) = x^2$.

5) $g(x) = x^2 - 3$

6) $g(x) = \frac{1}{5}x^2$

7) $g(x) = 5x^2 + 10$

8) $g(x) = \frac{1}{8}x^2 - 3$

9) $g(x) = -3x^2 + 8$

10) $g(x) = -\frac{1}{2}x^2 - 4$