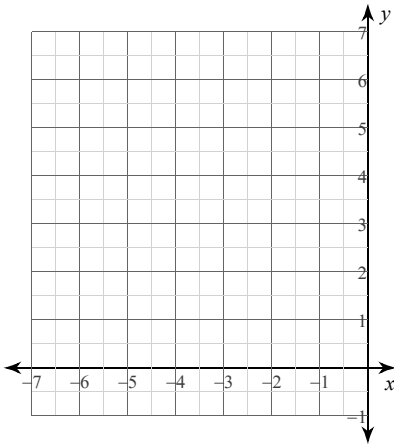


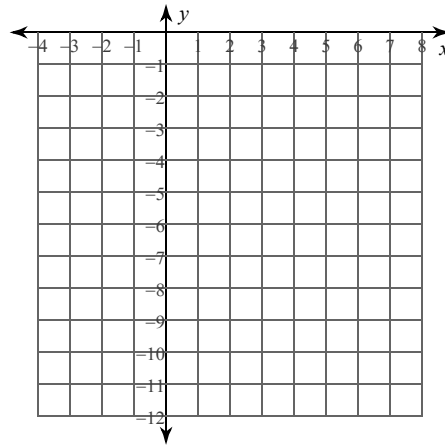
Section 2.2 Practice

Sketch the graph of each function. Graph the vertex and 2 other points

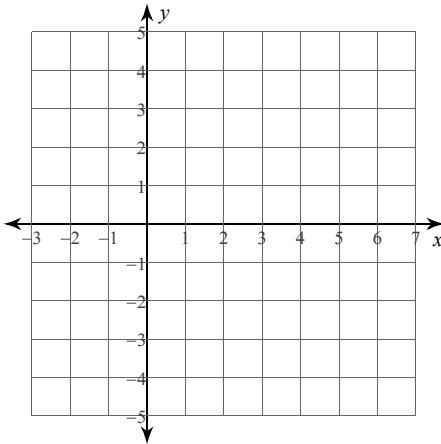
1) $y = (x + 4)^2 + 1$



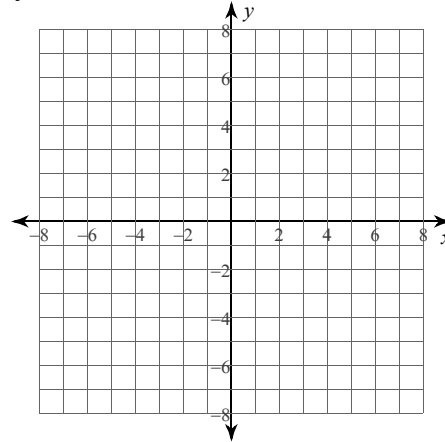
2) $y = -2(x + 2)^2 - 3$



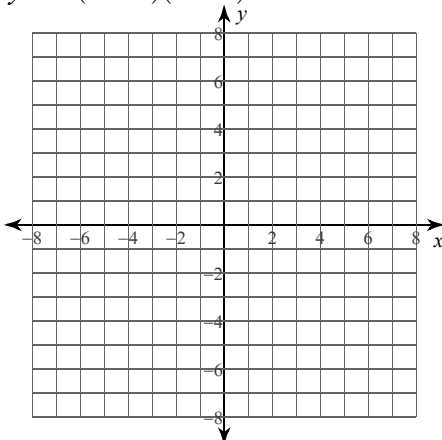
3) $y = 2(x - 3)^2 - 4$



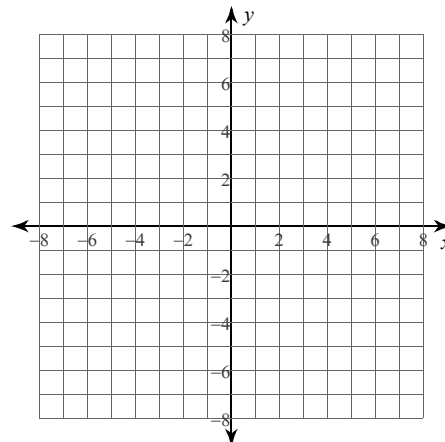
4) $f(x) = 2(x + 1)(x - 3)$



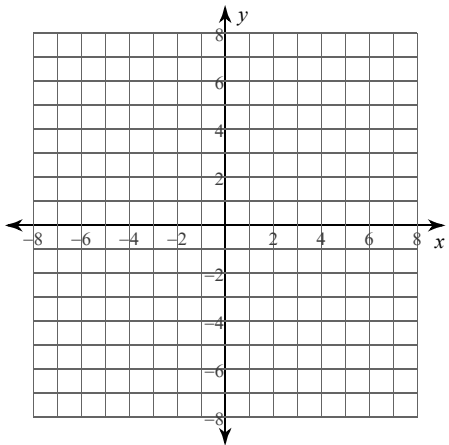
5) $y = -(x + 4)(x - 2)$



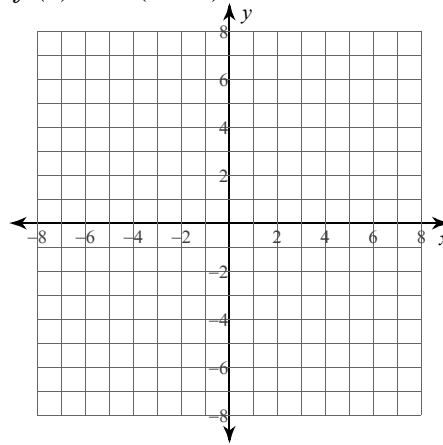
6) $f(x) = -\frac{1}{2}x(x - 3)$



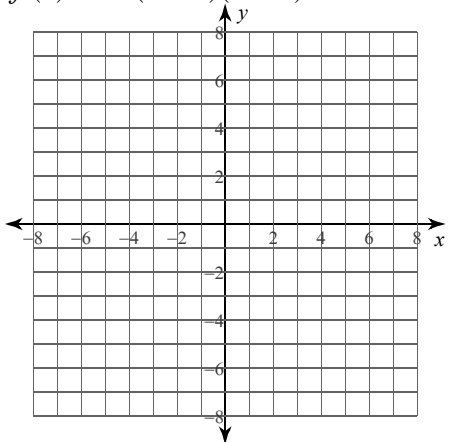
$$7) f(x) = \frac{1}{3}(x-1)(x+3)$$



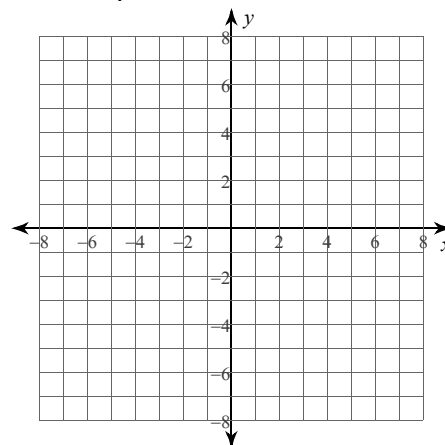
$$8) f(x) = 2x(x-4)$$



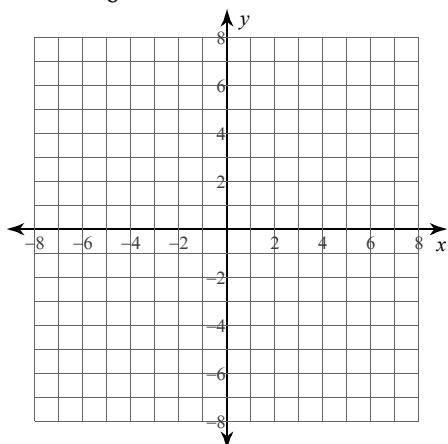
$$9) f(x) = -3(x-1)(x+5)$$



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



$$11) f(x) = \frac{1}{6}(x-6)(x+2)$$



$$12) f(x) = -\frac{1}{8}(x+4)(x-6)$$

