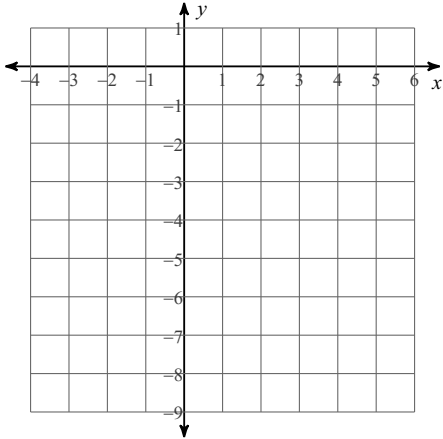


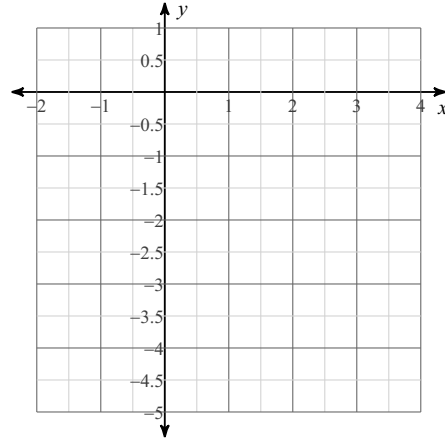
Extra Credit Graphing Quadratics

Sketch the graph of each function.

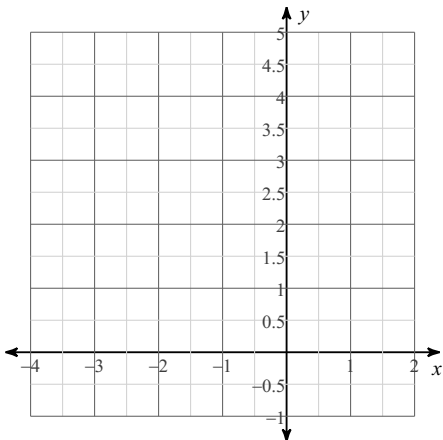
1)  $f(x) = -2x^2$



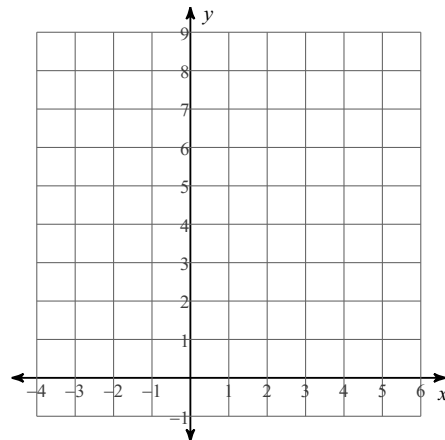
2)  $f(x) = -x^2$



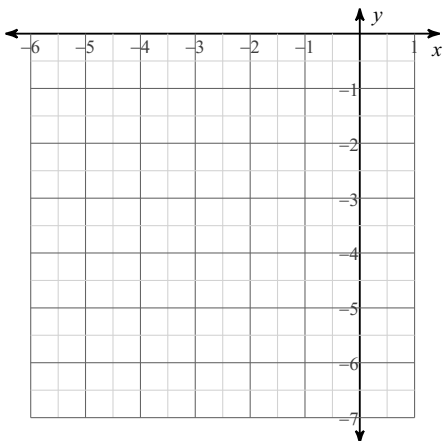
3)  $f(x) = x^2$



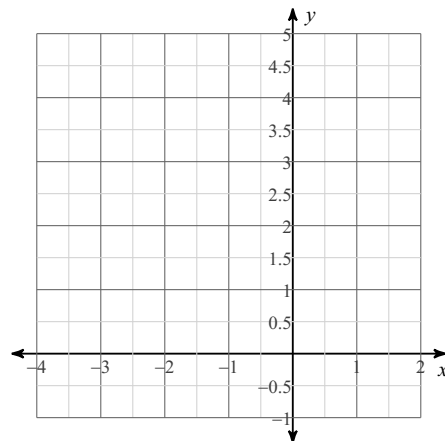
4)  $f(x) = 2x^2$



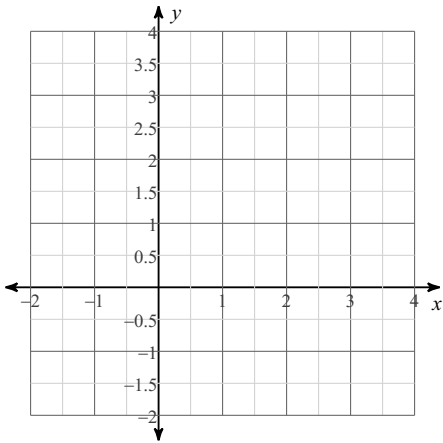
5)  $f(x) = -(x + 4)^2 - 2$



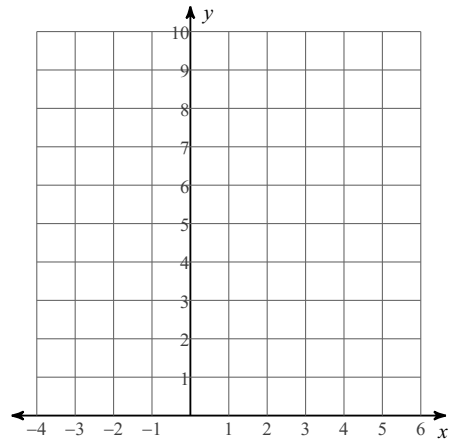
6)  $f(x) = -(x + 1)^2 + 4$



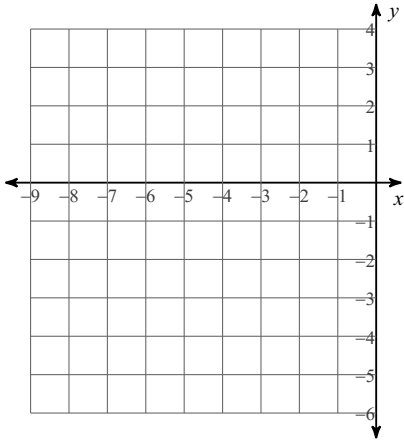
7)  $f(x) = (x - 1)^2 - 1$



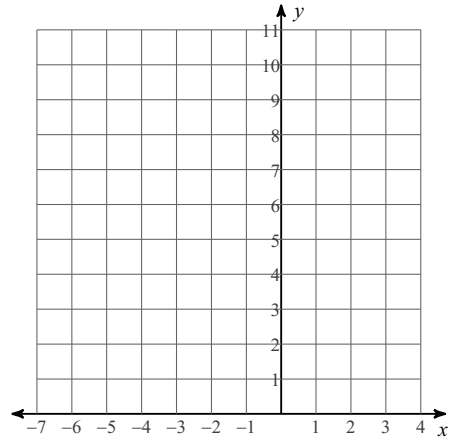
8)  $f(x) = 2(x + 2)^2 + 1$



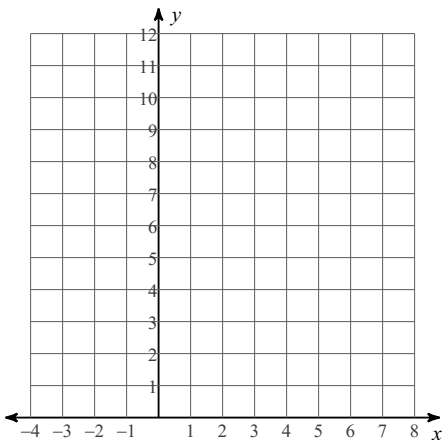
9)  $f(x) = -2(x + 4)^2 + 3$



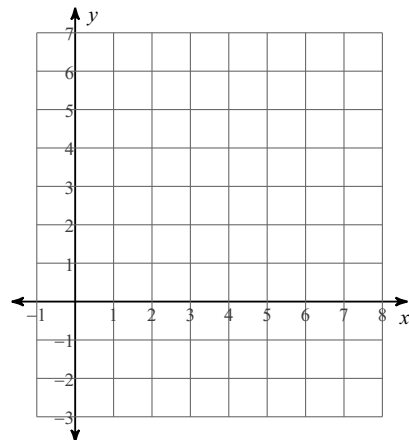
10)  $f(x) = 2(x + 4)^2 + 2$



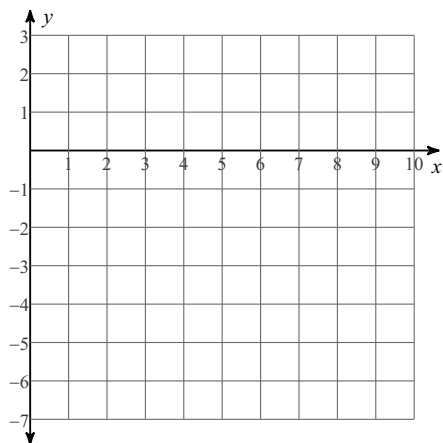
11)  $f(x) = 2(x - 3)^2 + 3$



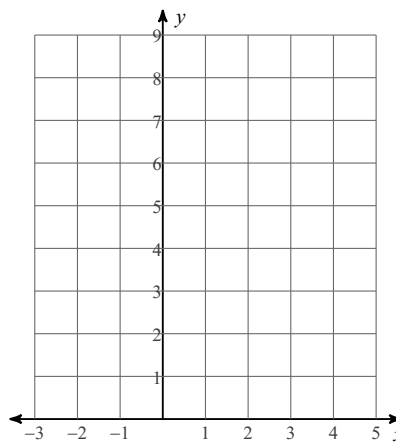
12)  $f(x) = 2(x - 4)^2 - 2$



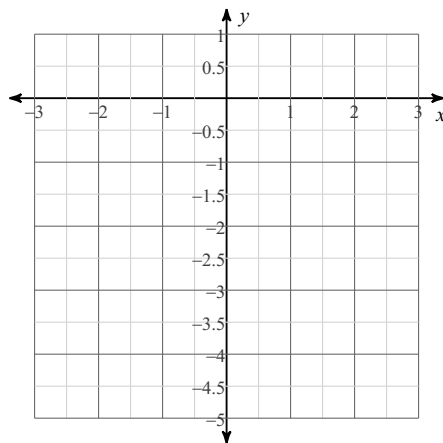
13)  $f(x) = -2(x - 2)^2 + 2$



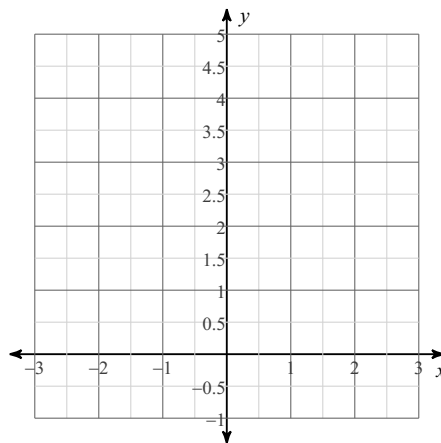
14)  $f(x) = (x - 1)^2 + 4$



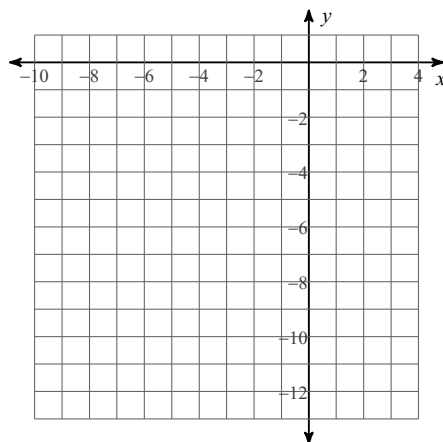
15)  $f(x) = -x^2$



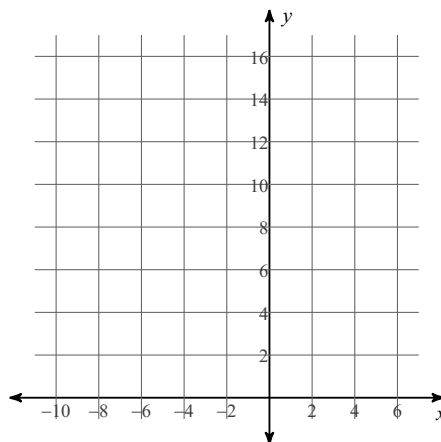
16)  $f(x) = x^2$



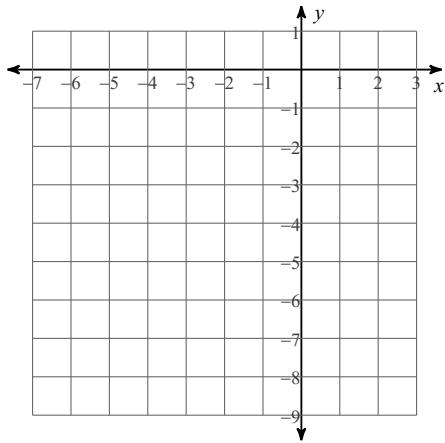
17)  $f(x) = -3x^2$



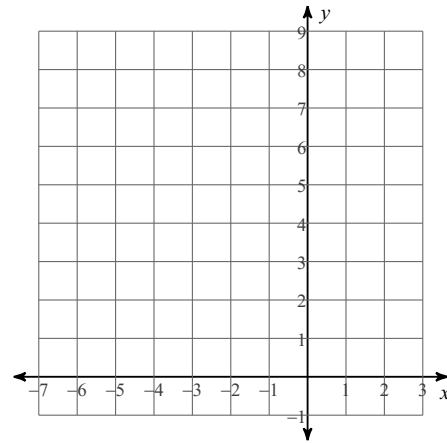
18)  $f(x) = 4x^2$



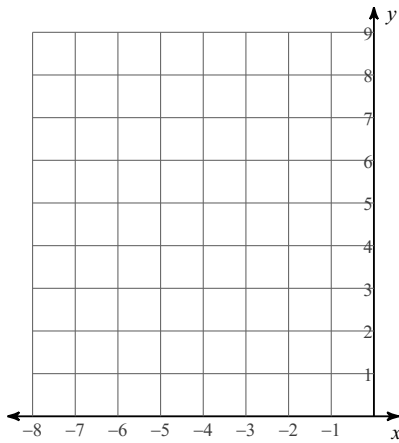
19)  $f(x) = -2x^2$



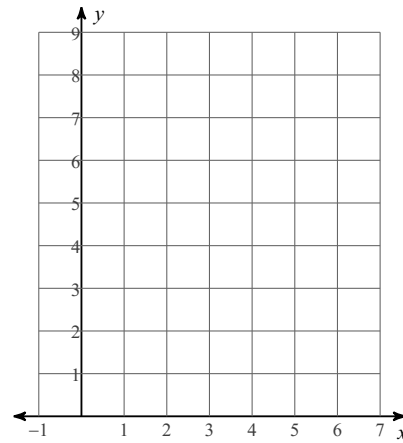
20)  $f(x) = 2x^2$



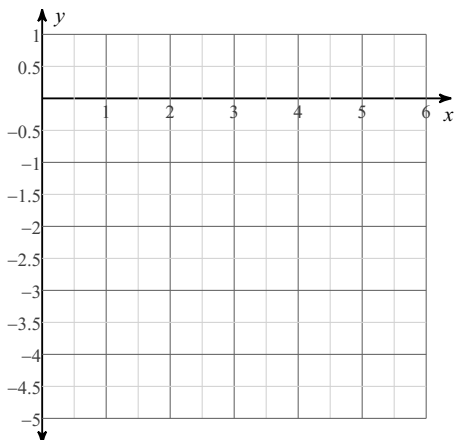
21)  $f(x) = x^2 + 6x + 13$



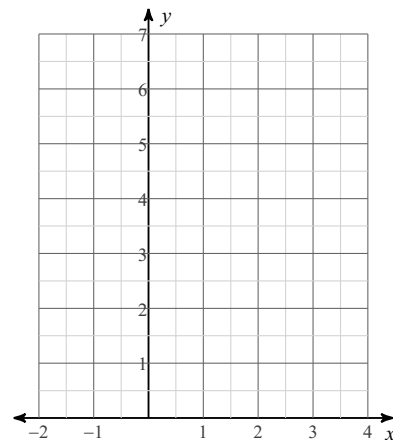
22)  $f(x) = x^2 - 6x + 13$



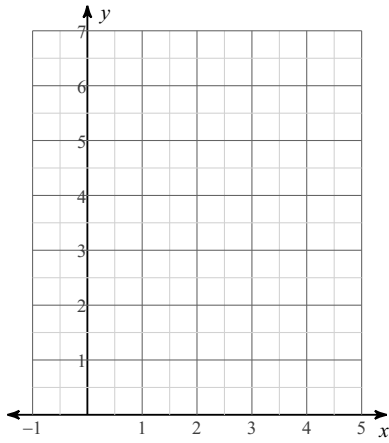
23)  $f(x) = x^2 - 6x + 5$



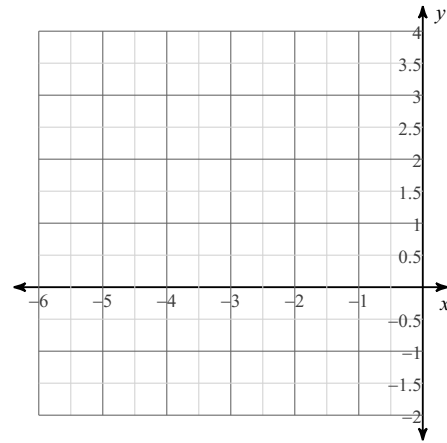
24)  $f(x) = x^2 - 2x + 3$



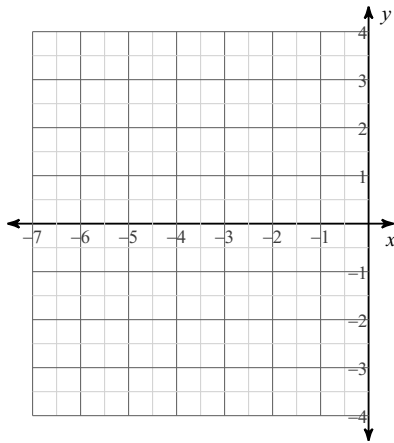
25)  $f(x) = x^2 - 6x + 11$



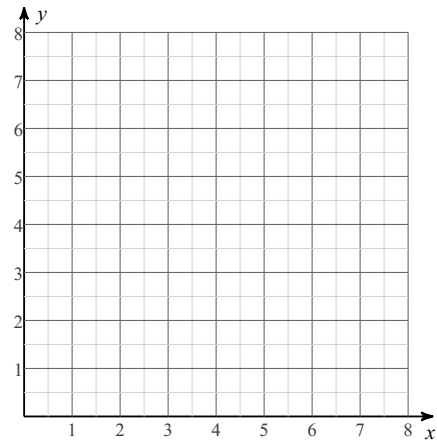
26)  $f(x) = x^2 + 6x + 8$



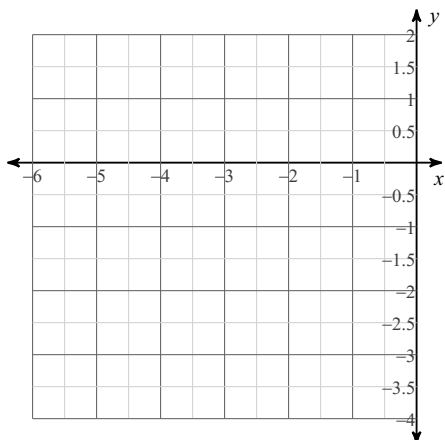
27)  $f(x) = x^2 + 8x + 14$



28)  $f(x) = x^2 - 6x + 12$



29)  $f(x) = x^2 + 4x + 1$



30)  $f(x) = x^2 - 8x + 20$

