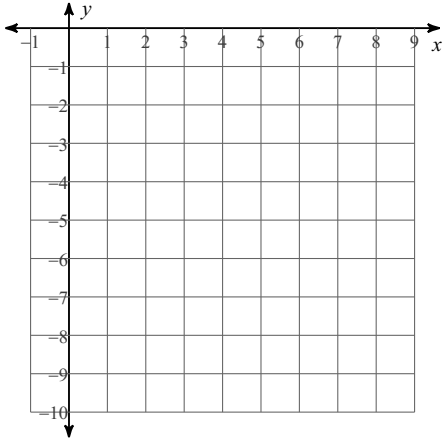


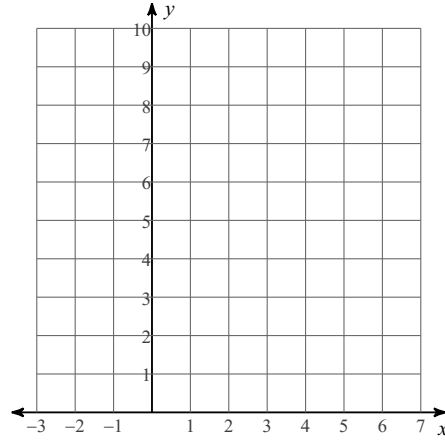
Graphing Quadratic Inequalities

Sketch the graph of each function.

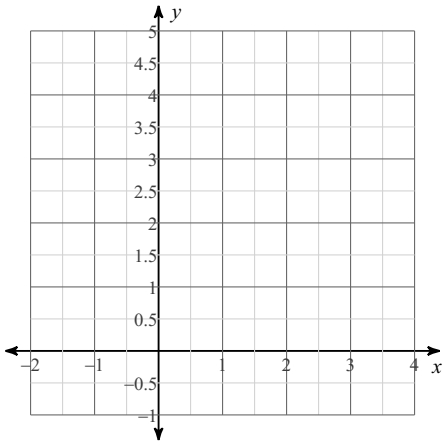
1) $y < -2(x - 2)^2 - 1$



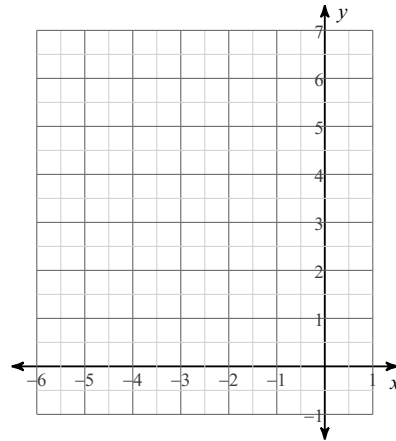
2) $y > 2(x - 2)^2 + 1$



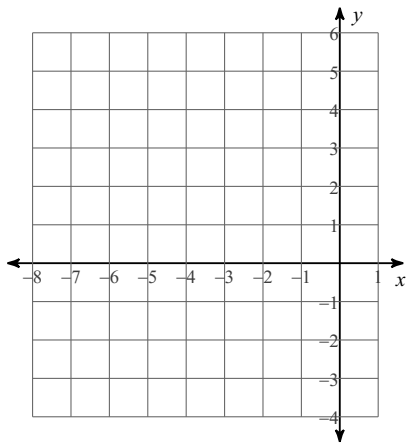
3) $y \leq -(x - 1)^2 + 4$



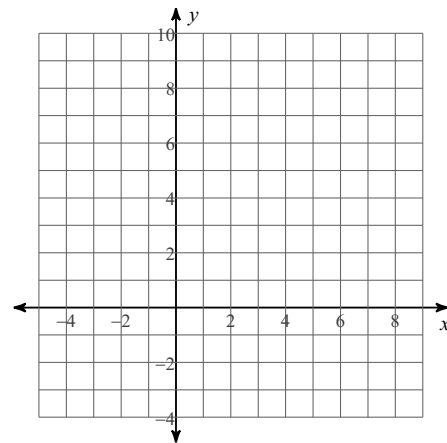
4) $y > (x + 4)^2 + 1$



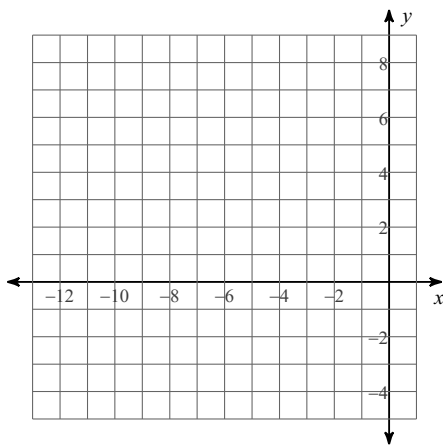
$$5) y \geq 2(x+4)^2 - 3$$



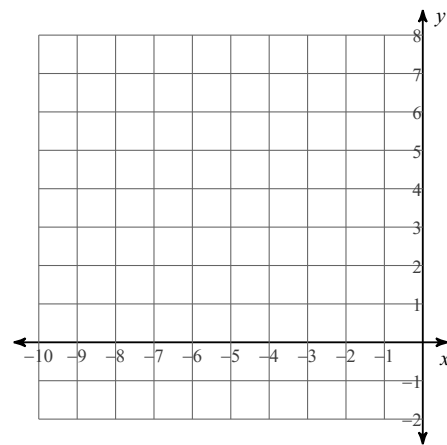
$$6) y \leq 3(x-2)^2 - 3$$



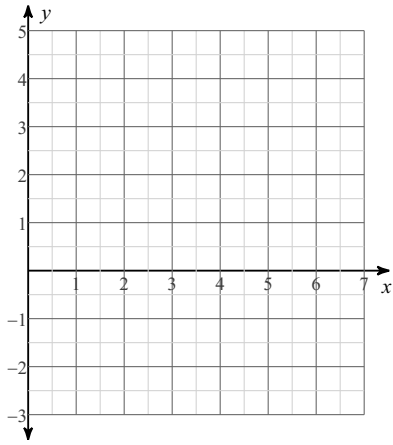
$$7) y > 3(x+3)^2 - 4$$



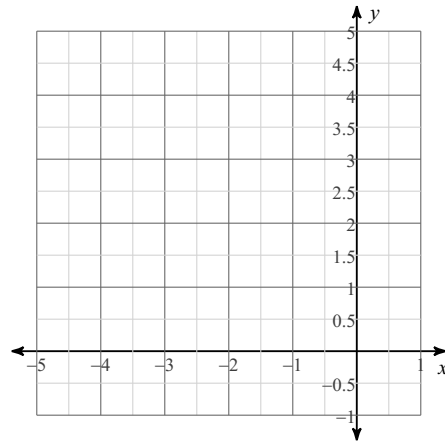
$$8) y \leq 2(x+3)^2 - 1$$



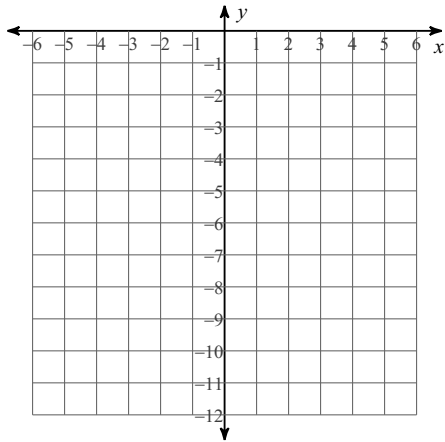
9) $y \geq x^2 - 8x + 15$



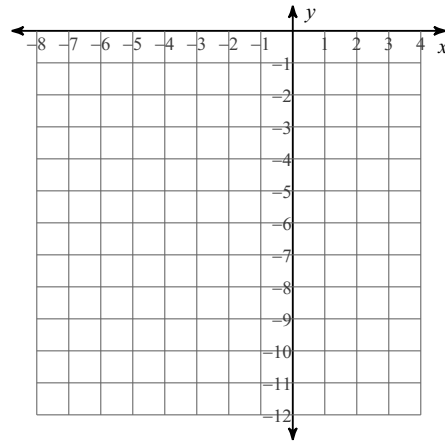
10) $y > -x^2 - 4x$



11) $y > -2x^2 - 8x - 11$



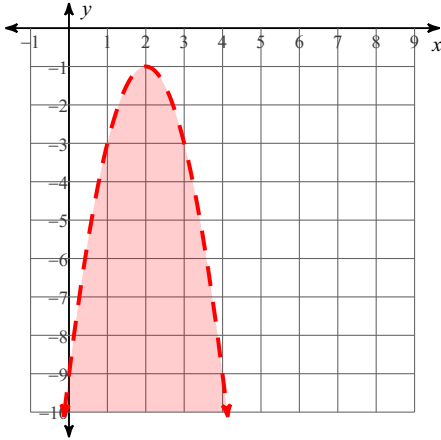
12) $y < -2x^2 - 12x - 21$



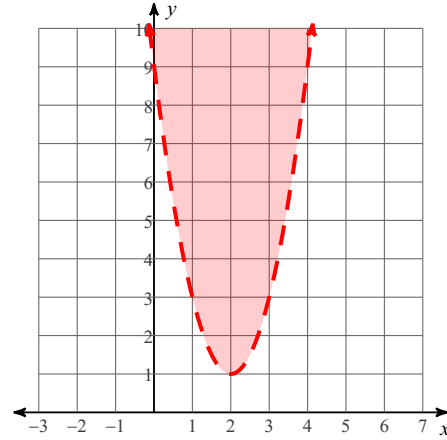
Graphing Quadratic Inequalities

Sketch the graph of each function.

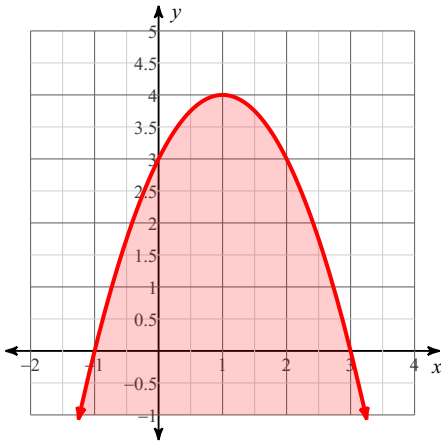
1) $y < -2(x - 2)^2 - 1$



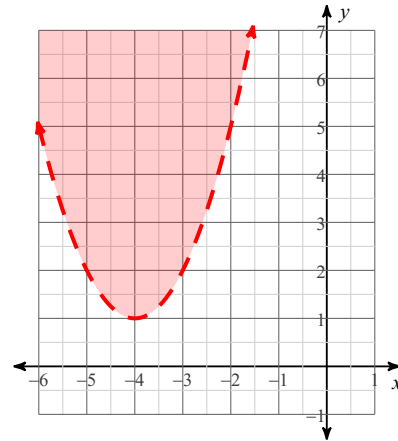
2) $y > 2(x - 2)^2 + 1$



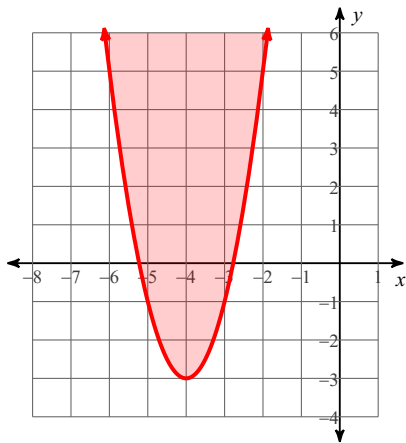
3) $y \leq -(x - 1)^2 + 4$



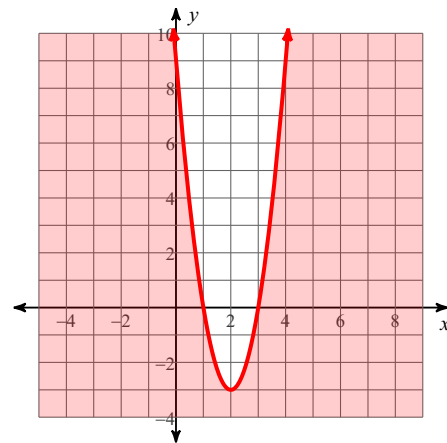
4) $y > (x + 4)^2 + 1$



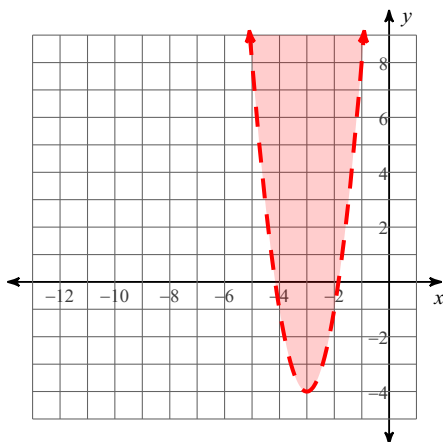
$$5) y \geq 2(x+4)^2 - 3$$



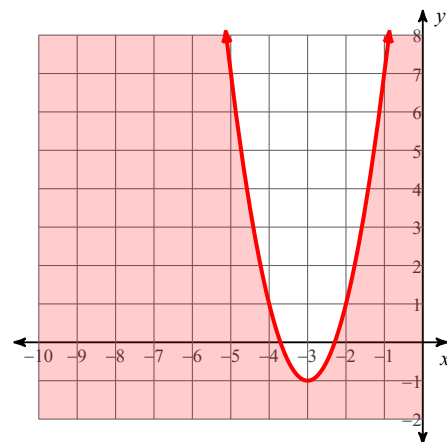
$$6) y \leq 3(x-2)^2 - 3$$



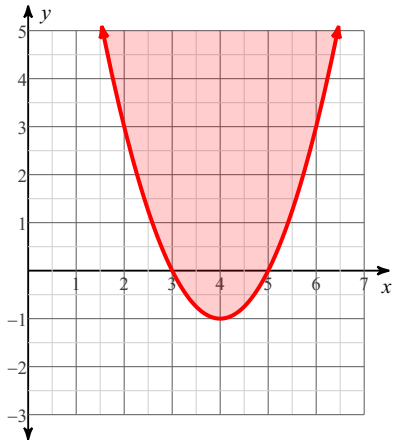
$$7) y > 3(x+3)^2 - 4$$



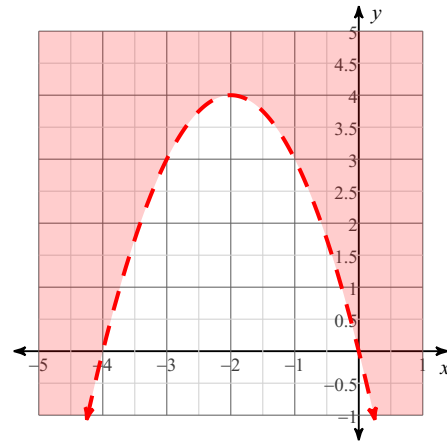
$$8) y \leq 2(x+3)^2 - 1$$



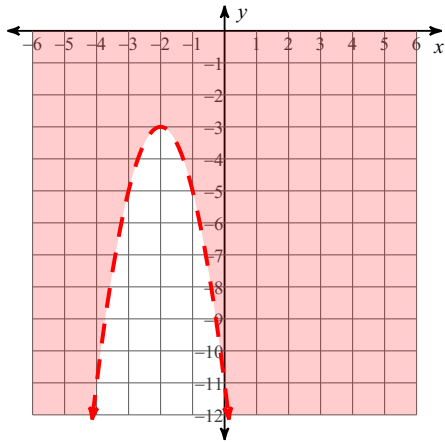
9) $y \geq x^2 - 8x + 15$



10) $y > -x^2 - 4x$



11) $y > -2x^2 - 8x - 11$



12) $y < -2x^2 - 12x - 21$

