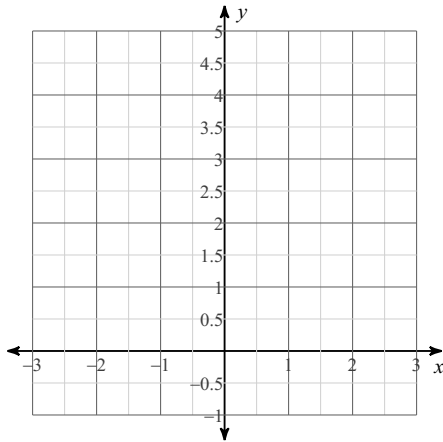


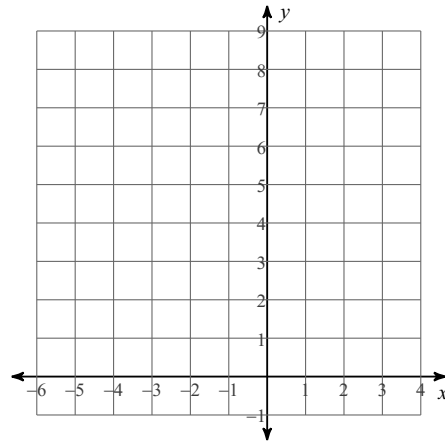
Alg I Graphing Quadratics Practice

Sketch the graph of each function, and identify the domain and range of the function.

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

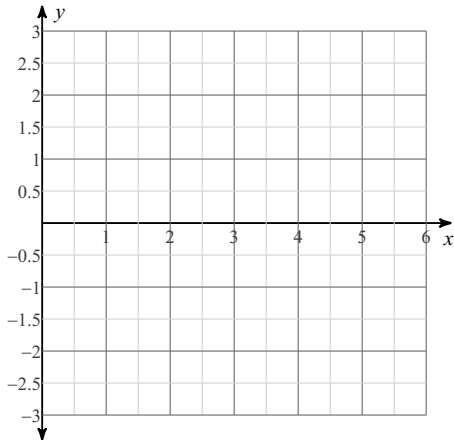


2) $f(x) = 2x^2$

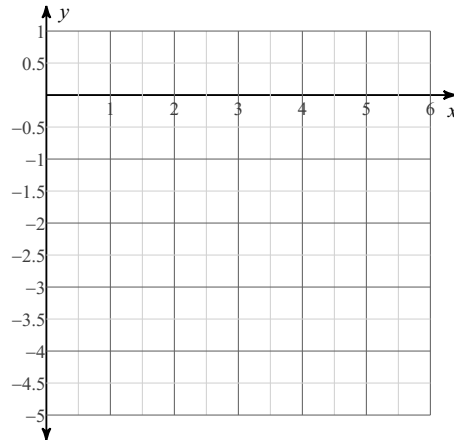


Sketch the graph of each function.

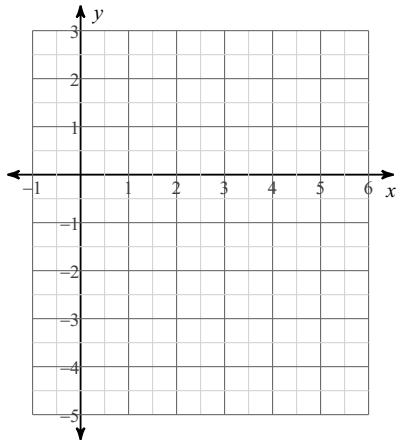
3) $y = x^2 - 4x + 2$



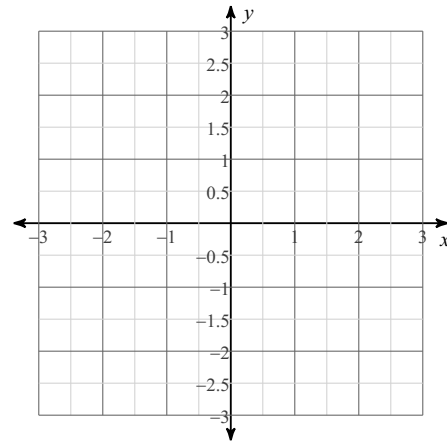
4) $y = x^2 - 4x$



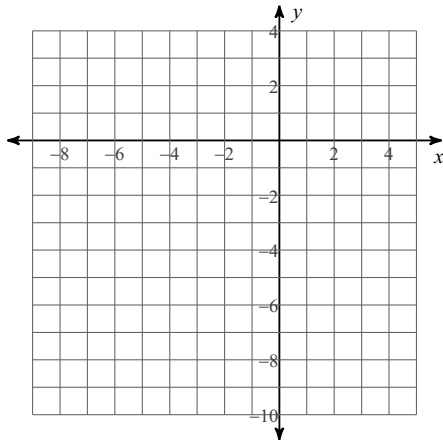
5) $y = x^2 - 8x + 13$



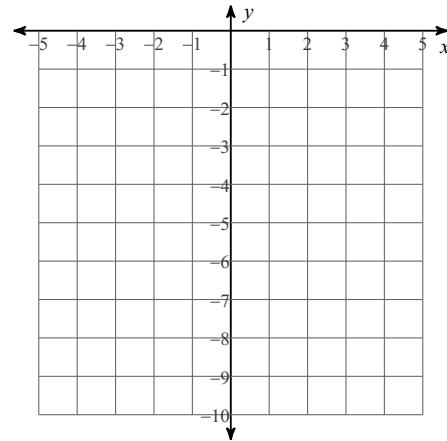
6) $y = x^2 + 2x - 1$



7) $f(x) = -3x^2 + 6x$



8) $f(x) = -2x^2 + 8x - 9$



Factor each completely.

9) $p^2 - 8p - 9$

10) $x^2 + 14x + 40$

11) $16n^2 - 1$

12) $v^2 - 8v + 16$

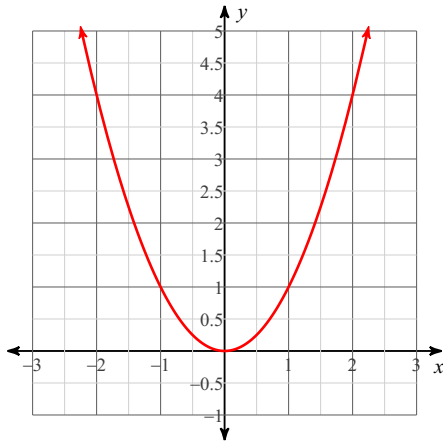
13) $2x^2 + 5x + 2$

14) $3x^2 + 7x - 6$

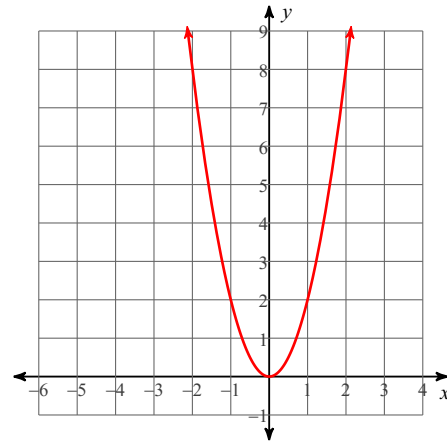
Alg I Graphing Quadratics Practice

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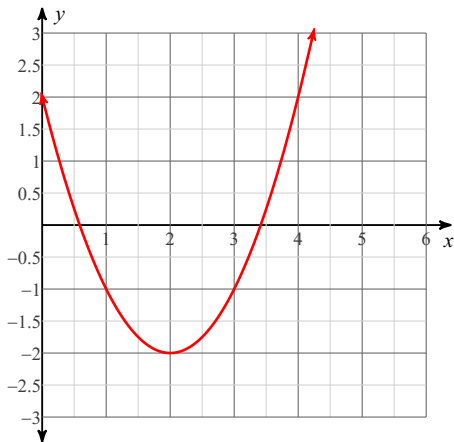


2) $f(x) = 2x^2$

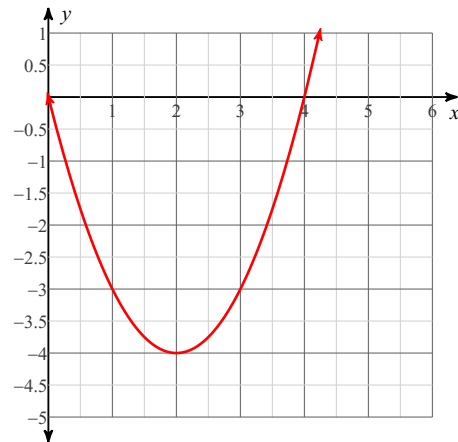


Sketch the graph of each function.

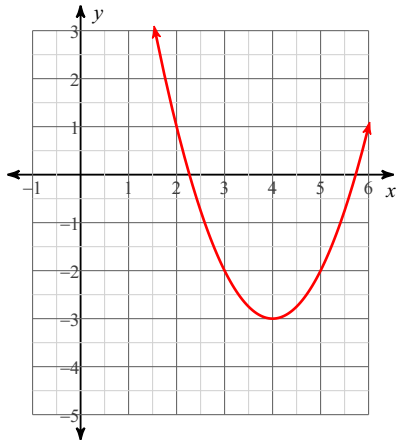
3) $y = x^2 - 4x + 2$



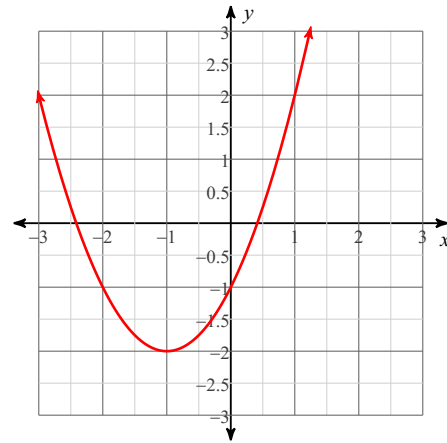
4) $y = x^2 - 4x$



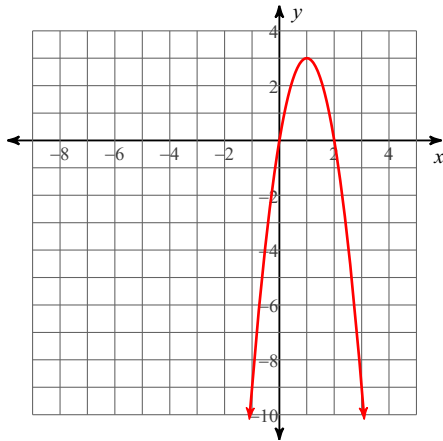
5) $y = x^2 - 8x + 13$



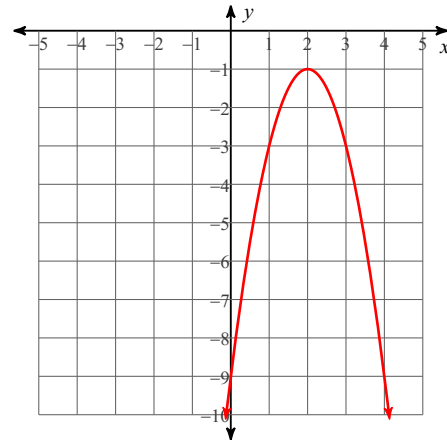
6) $y = x^2 + 2x - 1$



7) $f(x) = -3x^2 + 6x$



8) $f(x) = -2x^2 + 8x - 9$



Factor each completely.

9) $p^2 - 8p - 9$

$(p + 1)(p - 9)$

10) $x^2 + 14x + 40$

$(x + 10)(x + 4)$

11) $16n^2 - 1$

$(4n + 1)(4n - 1)$

12) $v^2 - 8v + 16$

$(v - 4)^2$

13) $2x^2 + 5x + 2$

$(2x + 1)(x + 2)$

14) $3x^2 + 7x - 6$

$(3x - 2)(x + 3)$