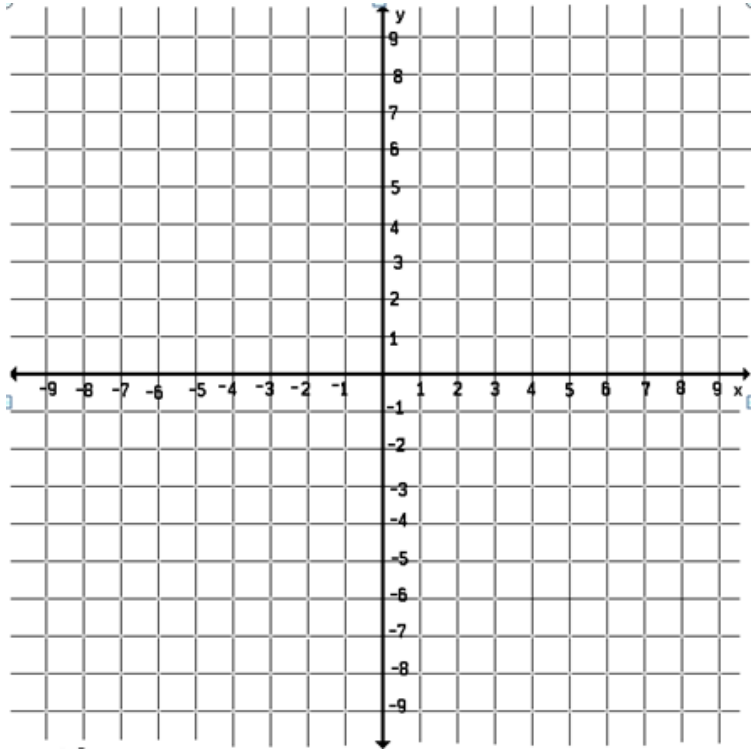
Factoring and Graphing Quadratics in Standard Form $f(x) = ax^2 + bx + c$

f(x) = $x^2 - 2x - 8$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

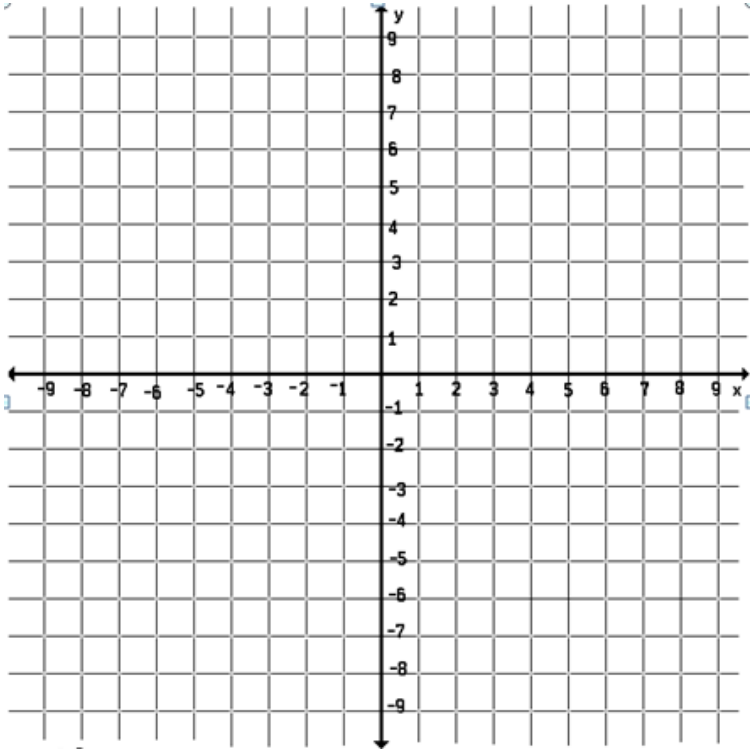


f(x) = $3x^2 - 8x + 4$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

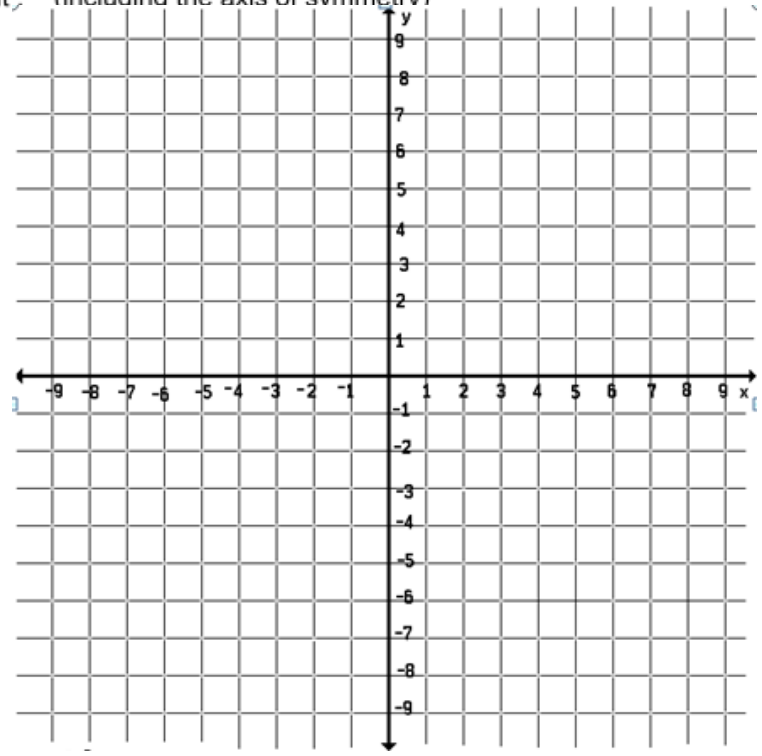


f(x) = $-3x^2 + 2x + 5$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

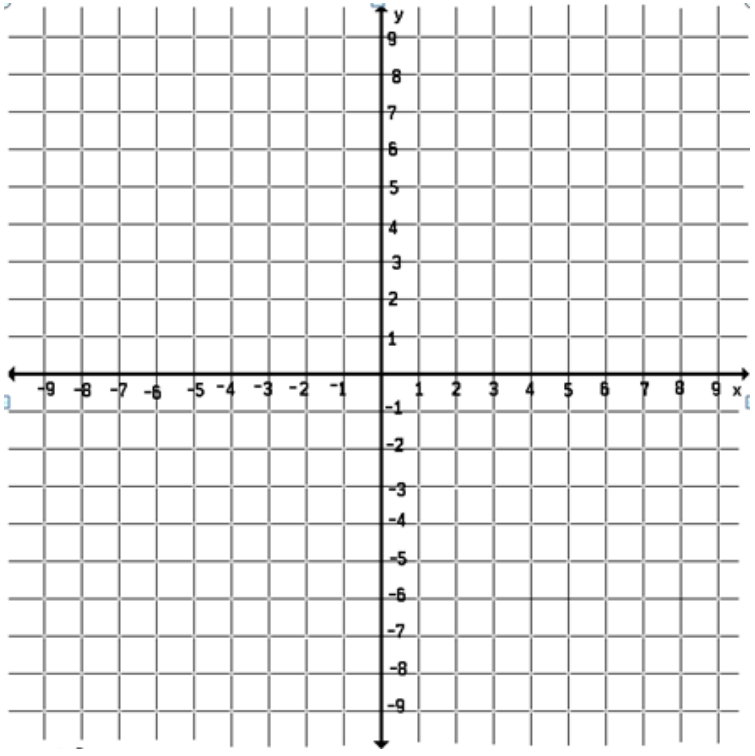


f(x) = $x^2 - 6x + 8$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

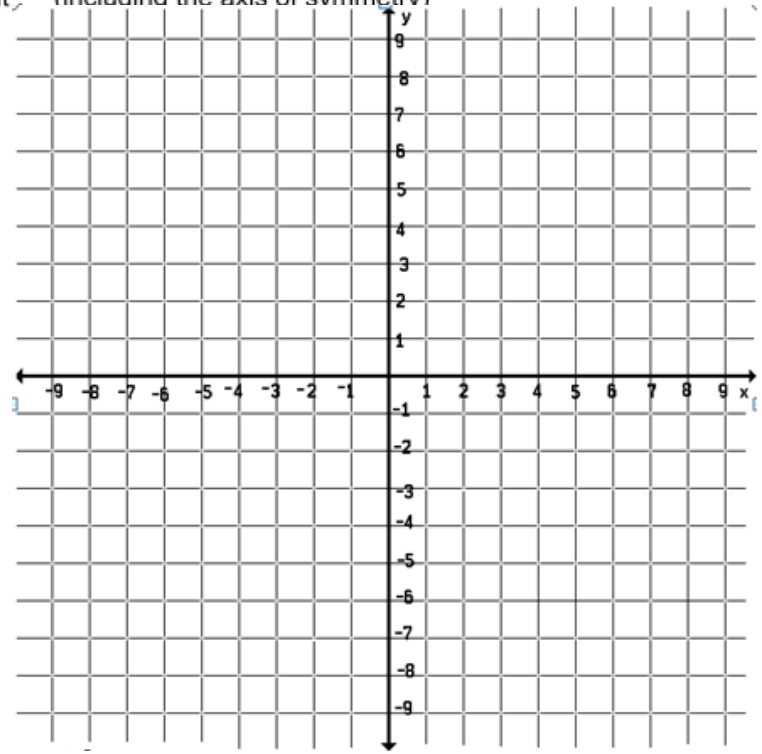


f(x) = $x^2 + 4x - 5$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

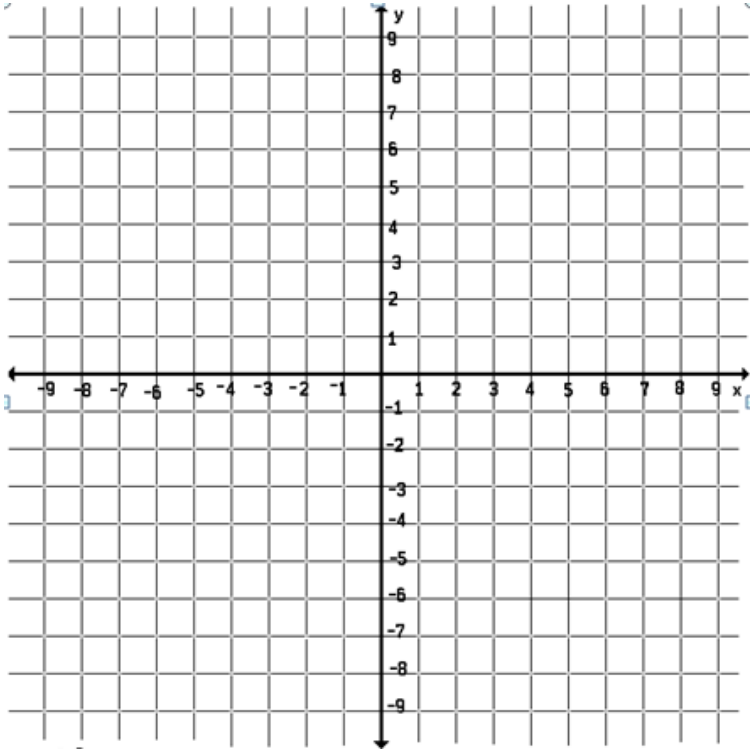


f(x) = $2x^2 + 5x + 2$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)

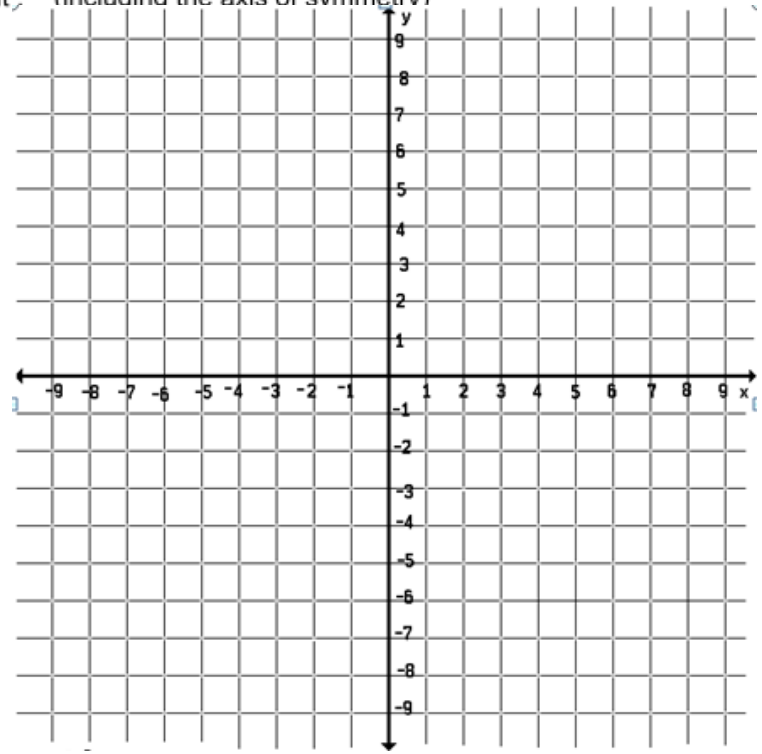


f(x) = $-6x^2 - 5x + 6$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)



f(x) = $x^2 + 2x + 1$ a = c =

concave up or down? wide or narrow? y-intercept:

Find the vertex: Factor to solve x-intercepts:

Graph it : (including the axis of symmetry)