

Practice:

Quadratics in Intercept Form

For #1-6, label the x-intercepts, axis of symmetry, vertex, y-int, and at least one more point on the graph.

1] $y = \frac{1}{2}(x + 4)(x - 2)$

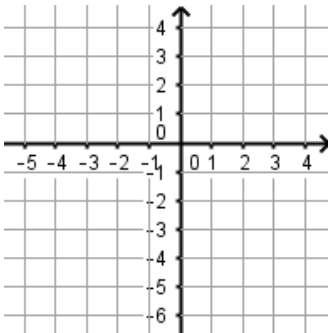
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)



2] $y = -\frac{1}{2}x(x - 8)$

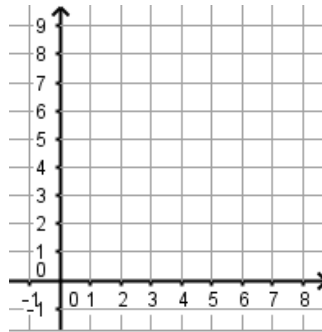
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)



3] $y = (x + 3)(x + 1)$

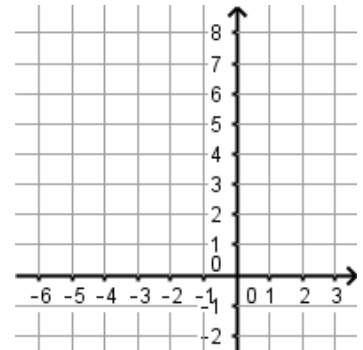
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)



4] $y = -\frac{1}{3}(x + 1)(x - 5)$

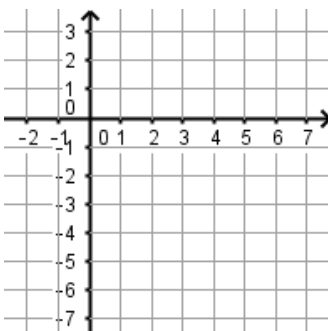
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)



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

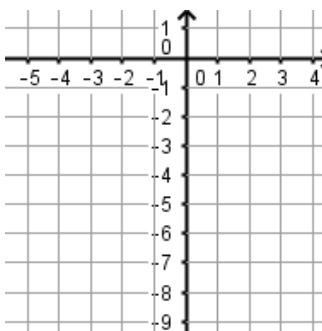
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)



6] $y = -(x - 3)(x - 3)$

x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is $x =$ _____

Vertex: (____, ____)

y-intercept: (0, ____)

Extra point: (____, ____)

