

Name:

Date:

Period:

Practice Worksheet: Graphing Quadratic Functions 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] $y = \frac{1}{2}(x + 4)(x - 2)$

a = p = q =

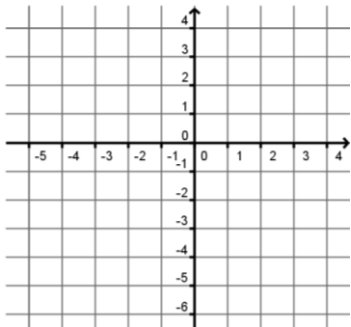
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)



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

a = p = q =

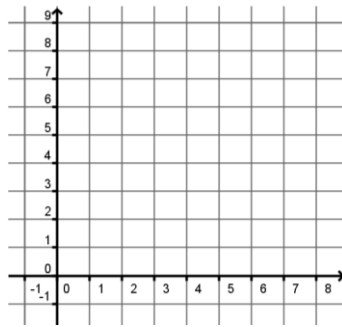
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)



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

a = p = q =

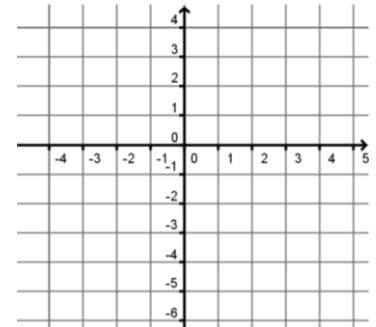
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)



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

a = p = q =

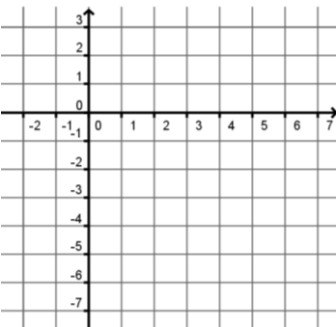
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)



5] $y = 4(x + 2)(x + 1)$

a = p = q =

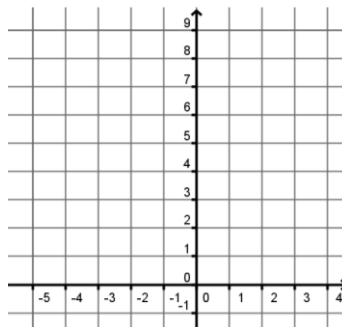
x-intercepts: (____, 0) (____, 0)

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)



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

a = p = q =

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

Axis of Symmetry is x=_____

Vertex: (____, ____)

Opens up or down?

y-intercept: (0,____)

