

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.

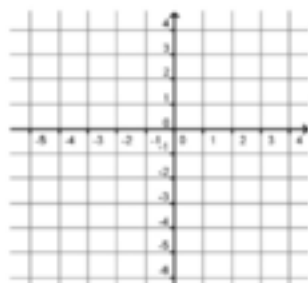
1) $y = \frac{1}{2}(x+4)(x-2)$

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)



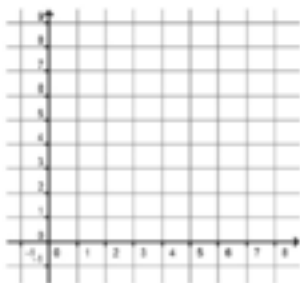
2) $y = -\frac{1}{2}x(x-8)$

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)



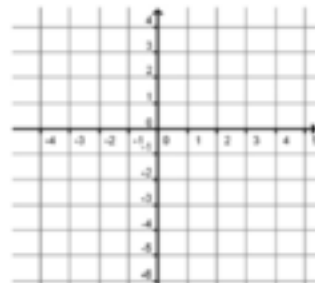
3) $y = (x+2)(x-2)$

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)



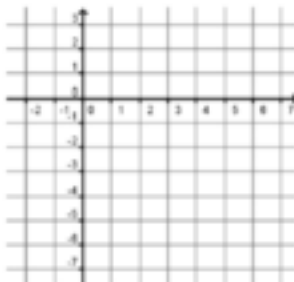
4) $y = -\frac{1}{3}(x+1)(x-5)$

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)



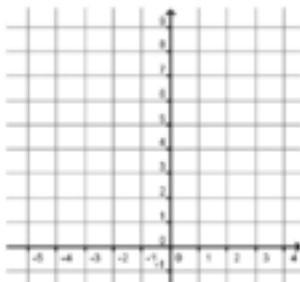
5) $y = 4(x+2)(x+1)$

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)



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

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

Axis of Symmetry is $x = \underline{\hspace{2cm}}$

Vertex: (____, ____)

y-intercept: (0, ____)

