Algebra 1B-Mrs. Tilus
Unit 10-Day #4 Graphing Quadratics Activity

Name: Key

Graph the following quadratic functions.

1. $y = -2x^2 + 8x - 8$

a.) Find the x-intercepts.

(2,0)(2,0)

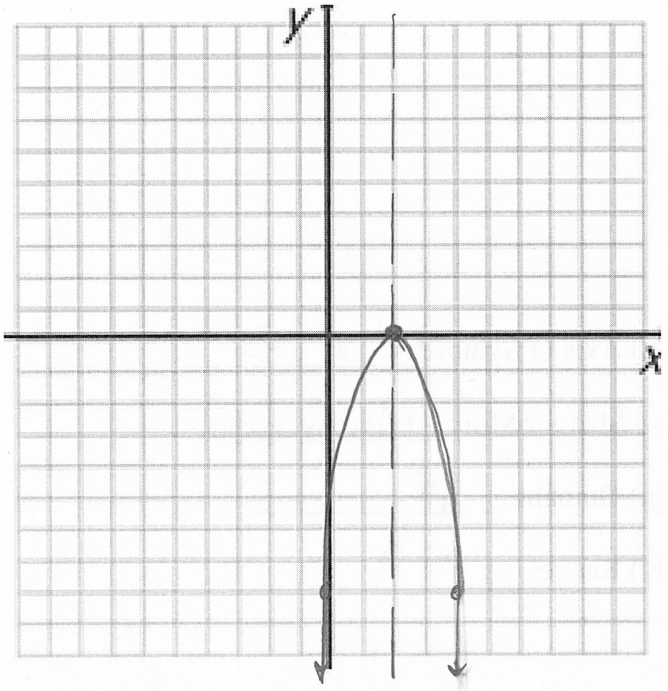
b.) Find the vertex.

(2,0)

c.) Find the y-intercept.

(0,-8)

d.) Graph.



e.) Axis of Symmetry: $x = 2$

f.) Max. or Min.: Maximum

g.) Domain: $\mathbb{R}$

h.) Range: $y \leq 0$

2. $y = x^2 + 4x - 5$

a.) Find the x-intercepts.

(1,0)(-5,0)

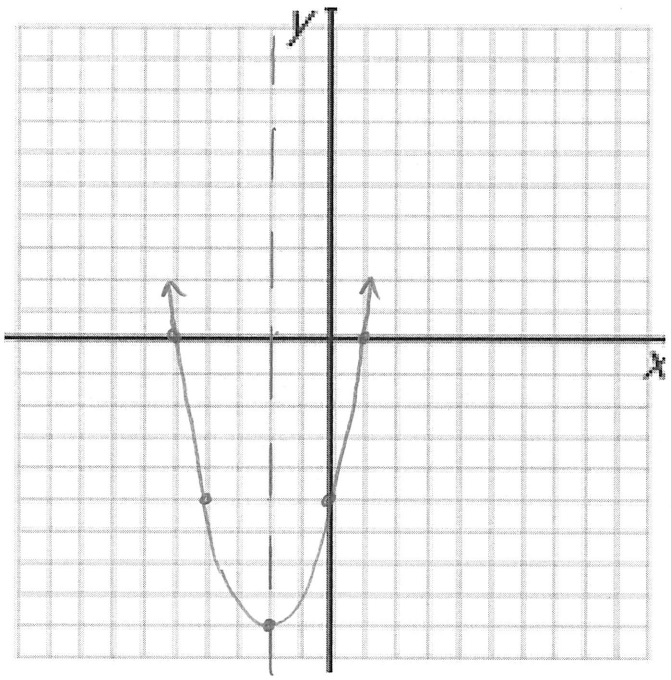
b.) Find the vertex.

(-2,-9)

c.) Find the y-intercept.

(0,-5)

d.) Graph.



e.) Axis of Symmetry: $x = -2$

f.) Max. or Min.: Minimum

g.) Domain: $\mathbb{R}$

h.) Range: $y \geq -9$