Algebra 1 Bellwork Tuesday, May 10, 2016

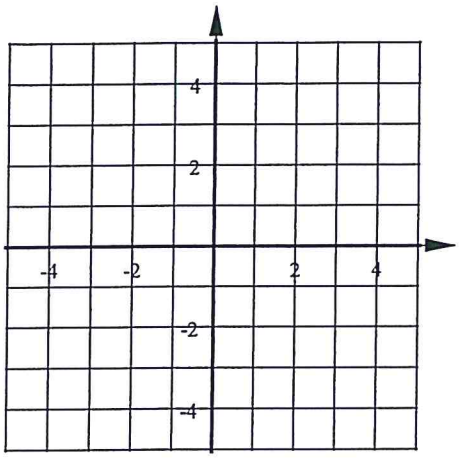
For each equation do the following:

a. Graph each parabola using at least five points.

b. State the coordinates of the vertex.

c. State the equation fo the Line of Symmetry.

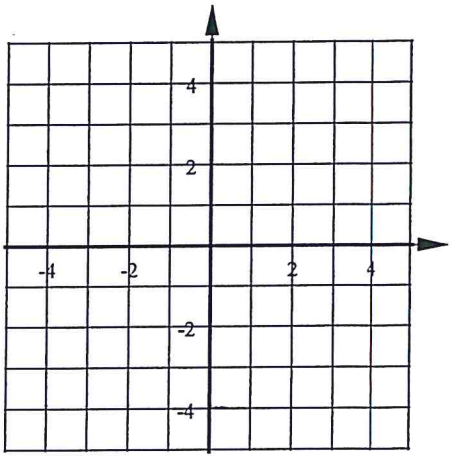
1. $y = 2x^2 + 4x - 1$



Vertex:

EQ of LOS:

2. $y = -2x^2 + 8x - 4$



Vertex:

EQ of LOS:

Algebra 1 Bellwork Tuesday, May 10, 2016 Answers

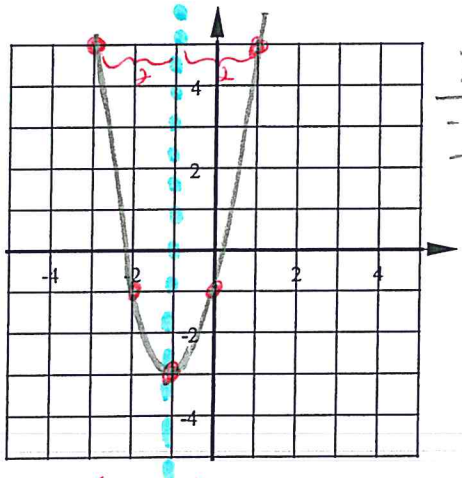
For each equation do the following:

a. Graph each parabola using at least five points.

b. State the coordinates of the vertex.

c. State the equation fo the Line of Symmetry.

1. $y = 2x^2 + 4x - 1$ ← opens up

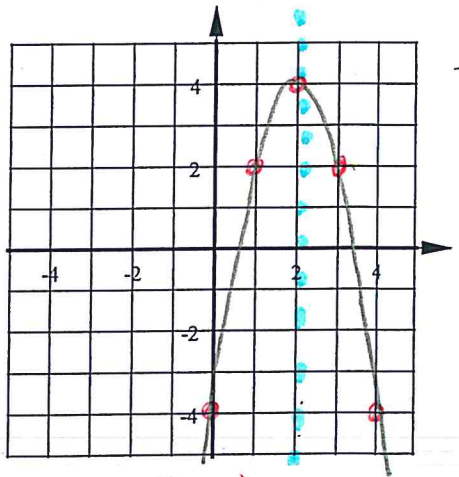


X	Y
-2	-1
-1	-3
0	-1
1	5
2	15

Vertex: (-1, -3)

EQ of LOS: X = -1

2. $y = -2x^2 + 8x - 4$ opens down



X	Y
-2	-28
-1	-14
0	-4
1	2
2	4
3	2
4	-4

Vertex: (2, 4)

EQ of LOS: X = 2