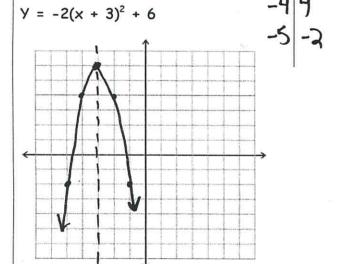
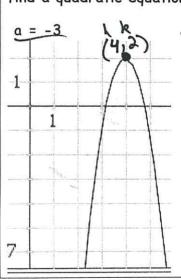
1.) Write a quadratic equation in vertex form if a = 1, h = -7 and k = 2.

3.) Graph the equation. Label the vertex and axis of symmetry. Show your table of values.



5.) Use the graph and the given equation to find a quadratic equation in vertex form.

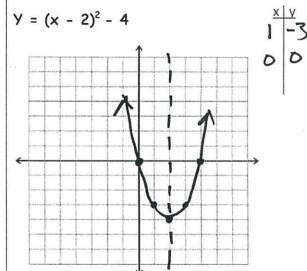


V=-3(x-4) +2

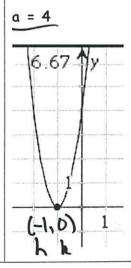
2.) Identify the vertex of the quadratic function:  $Y = -4(x + 1)^2 - 1$  (-1, -1)

What does the (-4) in the equation represent a=-4, so parabola opens down. Ve(fex is a maximum.

4.) Graph the equation. Label the vertex and axis of symmetry. Show your table of values.



6.) Use the graph and the given equation to find a quadratic equation in vertex form.



0+ ((+1)) + 0