Notes 4 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Graphing Vertex Form of the Quadratic Equation using a Calculator**

**Learning Target** -

To find the positive solution on the graphing calculator:

1) Graph the function in [y = ].

2) Press [2nd][TRACE] to access the Calculate menu.

3) Press [2] to select the zero option.

4) Set the Left Bound for the zero you want to find. To do so, use the left/right

keys to place the cursor on the graph a little to the left of the zero, and then

press [ENTER].

5) Set the Right Bound for the zero. To do so, use the left/right arrow keys place

the cursor on the graph a little to the right of the zero, and then press

[ENTER].

6) Press [ENTER] to tell the calculator to guess the zero.

**Let's try one.**

**Find the zeros of y = 3(x - 4)2 - 4 .**

**List the zeros here: x = \_\_\_\_ x = \_\_\_\_**

**Now sketch the graph. Label the vertex,**

**axis of symmetry, and zeros clearly.**

