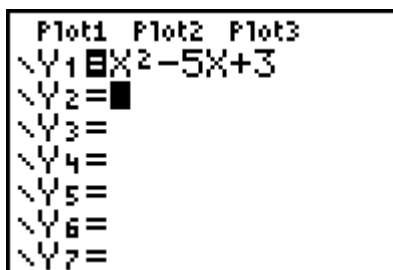


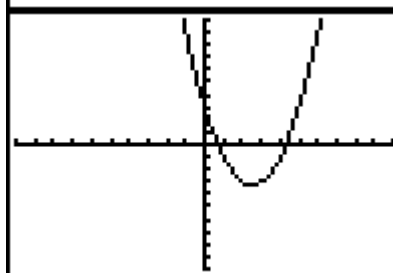
Follow the steps below to find the vertex of a quadratic function using the graphing calculator.

In this example the equation of the quadratic function is $y = x^2 - 5x + 3$.

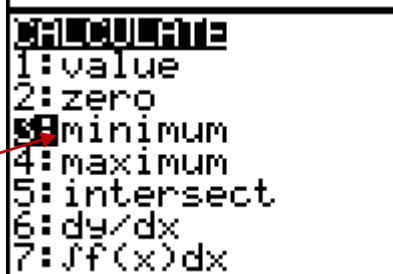
Step 1: Enter the equation into [Y=].



Step 2: [GRAPH]

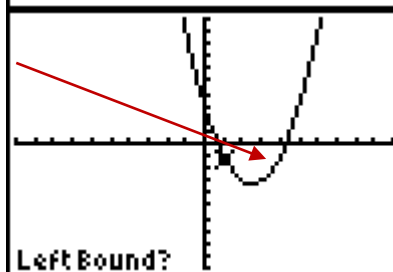


Step 3: [2ND] [TRACE] to get to CALCULATE screen.

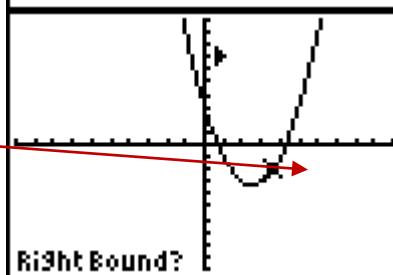


Step 4: Since the vertex for this parabola is a minimum, down arrow [▼] to 3:minimum, [ENTER].

Step 5: Tag to the left of the vertex by moving blinking light with left arrow [◀], then [ENTER].

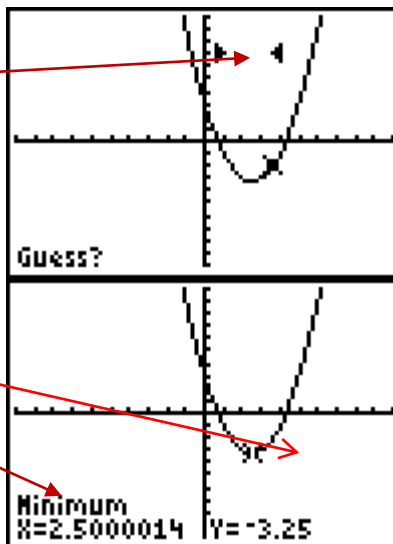


Step 6: Tag to the right of the vertex by moving blinking light with right arrow [▶], then [ENTER].



(continued)

Step 7: Notice that the vertex is between the two arrows. Press [ENTER] for vertex.



Vertex (2.5, -3.25)