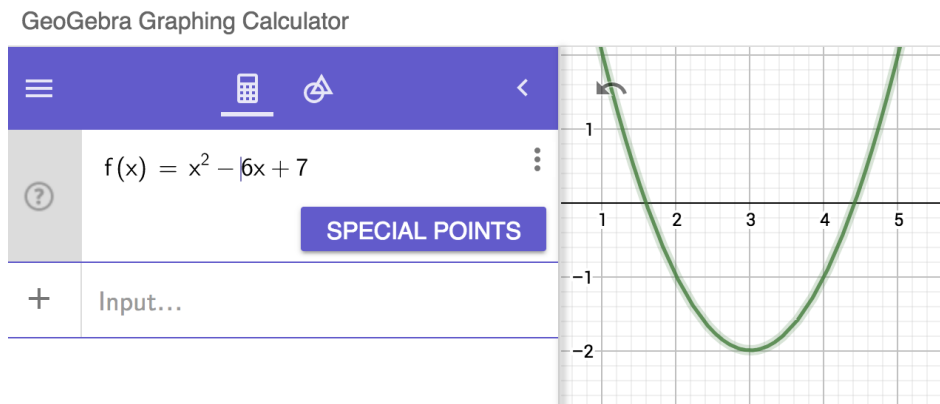


So far, we've discovered the graph of any quadratic function of the form $f(x) = ax^2 + bx + c$ is a parabola.

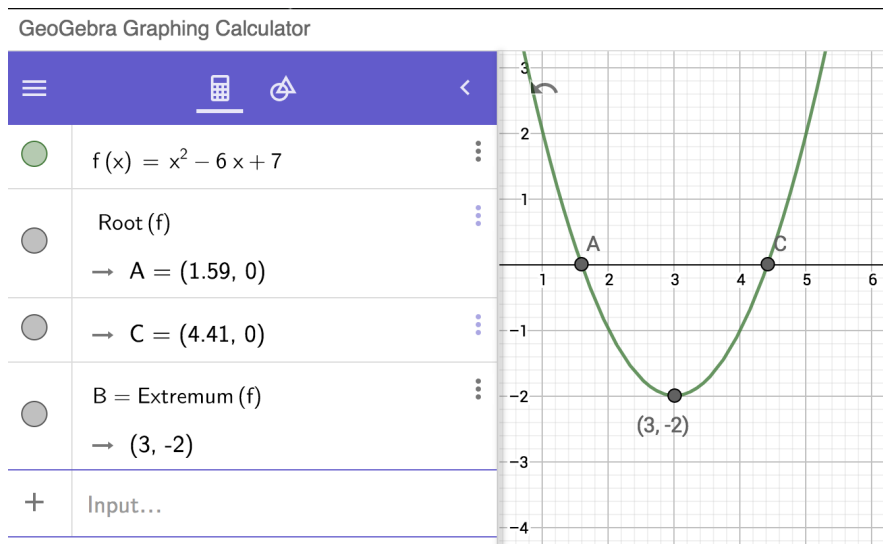
In the following investigation, you'll want to go to [the GeoGebra Graphing Calculator app](#).

Notice the table on the next page. Use the GeoGebra Graphing Calculator to graph each quadratic. For example, the first quadratic in the table below is $f(x) = x^2 - 6x + 7$. Enter this function into the



Algebra perspective (left side of) the GeoGebra Graphing Calculator. (See picture.)

Then, select the “**Special Points**” Button. You'll then see something that looks like this:



After doing so, use your results from graphing each function to fill in data for **EACH ROW**. Please complete this investigation **one row at a time** (and not one column at a time, as this will make more work for you in the long run).

