

The goal of this assignment is to demonstrate how you can use your calculator to create a rough estimate of a graph of a function. In addition, you'll also learn how to use Excel to create the same graph so that you can paste it into a word processing document. This is the same process that you'll use in many of your projects.

We'll do this in two parts:

1. Create an appropriate graph using your graphing calculator. The graph will show all of the important parts of the graph.
2. Create the identical graph in Excel and then paste it into a word processing document. This graph will include graph labels.

Follow the videos to create the graphs indicated. The function you'll be using is

$$y = 0.1x^2 - Lx + 22$$

where L is the total number of letters in your first and last name. For instance, if the total number of letters is two, you would be working with

$$y = 0.1x^2 - 2x + 22.$$