

Pre-Calculus 11 Assignment 2  
November 12, 2016

This week's assignment is less laborious, but requires you to think critically and analyze the work that you have already done. Of course, you may put in a little more work to help you clarify the concepts.

1. Based on the exercise done in class, in the *vertex form* of a quadratic equation,  $y = a(x - b)^2 + c$ , what effects do  $a$ ,  $b$ , and  $c$  have on the graph of the quadratic function?. Feel free to make more plots if you are unsure about your answer. (Hint: investigate the 3 parameters independently!)