MATH-130

Coach Wesley Marshall

Name: \_\_\_\_\_\_\_\_\_

Practice Quiz 3A

We will be investigating the quadratic graph and its characteristics together.

1. Start by graphing the function of x^2 on either a calculator or on the board.
   1. Find the Domain and range of the function
   2. Find when the graph is increasing and decreasing
   3. Find the local minimum and local maximum of the graph
2. Now, graph -x^2, and do the following
   1. Find the Domain and range of the function
   2. Find when the graph is increasing and decreasing
   3. Find the local minimum and local maximum of the graph
3. Now, look at the graph on the board, it’s x^2 but with closed dots at x=-3 and x=3, and do the following:
   1. Find the Domain and range of the function
   2. Find when the graph is increasing and decreasing
   3. Find the local minimum and local maximum of the graph