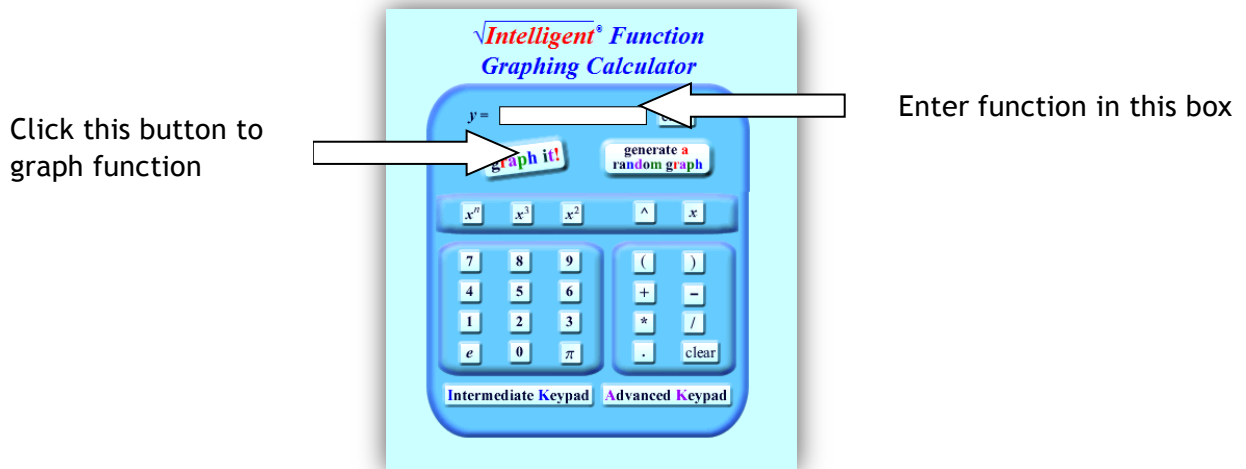


Name: _____

Date: _____

Activity 1: Graphing Total Revenues

Instructions: Graph the total revenue function, $TR = 10Q - Q^2$ using an online graphing tool (http://www.webgraphing.com/graphing_basic.jsp). Click on the link to open the online graphing tool webpage. On the webpage, enter the function into the graphing calculator. (Hint: enter the function in the blank “y = ” box and use the letter “x” instead of Q.) After entering the function, click the “graph it!” button.



Activity 2: Constructing the Profit Function

Instructions: Construct the profit function based on the following total revenue function and total cost function. Show all work.

$$TR(Q) = 10Q - Q^2$$

$$TC(Q) = 2Q^3 - 4Q^2 + 4Q + 4.$$

$$\pi(Q) =$$