Fall 2013
Kronenthal

MAT 106 Sections 010 and 020
Homework 1

<u>Due Date</u>: Friday, August 30 by the start of class

Please remember that collected homework not meeting the following criteria will be penalized:

- You must show all work.

- You are welcome to discuss the mathematics behind the homework with others, but you must write the answer by yourself.

- ONLY submit problems designated for collection.

- Your homework must be in the order that it was assigned. If you run out of space and must finish a problem on another page, please neatly write a short note telling me where to look.

- If you turn in multiple pieces of paper, you must staple them (paper clips, folding down corners, etc. are not acceptable).

Do NOT wait until the last minute to do these problems; start today! If you have trouble, please ask questions.

Starred problems are to be collected. Problems without a star should not be submitted, but are still mandatory.

- Section 2.1: #15, 22*; for each problem, please write your answer using interval notation (for more information on interval notation, see page 12).

- Section 2.2: #11-19 (checking with a calculator is optional); 31-34, 38*, 41 (For each of these problems please sketch a graph of each intermediate graph. For example, for #41, you will graph $y = |x|$, then $y = |x + 4|$, and finally $y = |x + 4| - 2$.)

- Section 2.3: #35, 36, 38 (again, for each of these problems, please sketch a graph of each intermediate graph); 51, 52*

- Section 2.6: #25, 28*, 33, 35, 48*, 51, 52, 70*, 71

- Section 4.2: 10*, 14*, 15, 29, 32*

- *Finish the review worksheet from Monday's class. Check your solutions against those posted on D2L. Make corrections, as necessary, in a DIFFERENT COLOR. Attach the worksheet as the last page of your collected homework*.