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

Unit 2 LT 1 Retake 1 Assignment (3.1 and 3.3)

1. What is a critical number?
2. List the possible features of a graph that could be occurring at the critical values (there are 9).
3. Why does using an LCR table work for finding the absolute extrema?
4. Why does an increasing/decreasing table work for finding relative extrema?
5. How come an LCR table cannot be used to find relative extrema?

Also do p. 169# 1,2, 16, 26, 28, 34

p. 186# 26, 28, 30, 34, 40, 61-64, 80, 85