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

Unit 2 LT 1 Retake 2 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. 242# 2, 3, 4, 16-18 and p. 187# 55-64