Reading Quiz 06 for Calculus A

Name : _____ Student ID # : _____ Score : _____

Read section 3 and section 4 of chapter 4.

1. What is the First Derivative Test for Local Extreme Values? Give examples of how it is applied.

2. How do you test a twice-differentiable function to determine where its graph is concave up or concave down? Give examples.

3. What is an inflection point? Give an example. What physical significance do inflection points sometimes have?

4. What is the Second Derivative Test for Local Extreme Values? Give examples of how it is applied.