Reading Quiz 02 for Calculus 3096

Name : _____   Student ID # : _____   Grade : _____

Read sections 5, 6 and 7 of chapter 1.

1. Write down the definition for a function f is continuous at $x = a$.

2. To be differentiable or to be continuous, which property is stronger? Prove your answer.

3. List all differentiation rules in section 1.6 and give one example for each rule.

4. Find the first five derivatives of $y = x^5 - 7x^3 + 11x^2 - \pi x + 9\pi^3$.

5. Give the definition of Marginal Cost.