

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

1. State the Mean Value Theorem.
2. Check the hypothesis of Mean Value Theorem and find a value of  $c$  that makes the appropriate conclusion true. Illustrate the conclusion with a graph.

$$f(x) = x^3 + x^2 \text{ on the interval } [0, 1]$$

—— When stating the theorem, try to be precise! ——