微積分A預習測驗 #6

姓名：_____ 系級：_____ 學號：_____ 分數：

Read Chapter 4 – Applications of Differentiation (pages 223-228) and answer the following questions.

1. State the extreme value theorem appeared on the top of page 225.

2. State Fermat's theorem appeared on the top of page 226.

3. A critical number of a function f is a number c in the domain of f such that either

    or .

4. State the closed interval method to find the absolute maximum and minimum values of a continuous function f on a closed interval $[a, b]$.

    (a)

    (b)

    (c)

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