

微積分 A 下(統計系)預習測驗 #8

姓名: _____ 系級: _____ 學號 _____

預習第15章第7節(pp. 989-999), 然後回答下列問題

1. 若函數 $f(x, y)$ 在 (x_0, y_0) 有相對極值且第一階偏導數都存在, 則

2. State Theorem 2 (page 989).

3. State the Second Derivative Test and memorize it.

4. State Extreme Value Theorem for Function of Three Variables (#8 page 995).

5. Write down the procedure to find the absolute extrema of a continuous function on a closed and bounded set. (#9 page 995)