微積分 A 下 (統計系) 預習測驗 #11

姓名:——————————— 系級:——————————— 學號———————————

預習第16章第3節(pp. 1031-1039),然後回答下列問題

1. How do you define the double integral $\iint_D f(x,y)\,dA$ if D is a bounded region that is not a rectangle?

2. What is a type I region? (p 1032) How do you evaluate $\iint_D f(x,y)\,dA$ if D is a type I region ? (p 1033)

3. What is a type II region? (p 1033) How do you evaluate $\iint_D f(x,y)\,dA$ if D is a type II region ? (p 1033)

4. What properties do double integrals have? (pp 1036-1037)

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