# 微積分A下(統計系)預習測驗 #10

姓名: _____ 系級: _____ 學號 _____

預習第16章第1-2節(pp. 1017-1031), 然後回答下列問題

1. Give the definition of the double integral of $f(x, y)$ over the rectangle $R$

2. Write down the three properties for double integrals stated in page 1024.

3. State Fubini's Theorem

4. Evaluate the iterated integral $\displaystyle\int_1^4 \int_1^2 \left(\frac{x}{y} + \frac{y}{x}\right) dy\, dx$

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