

“QUIZ” for Oct. 15, 2009

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. Calculate the iterated integral

$$\int_1^2 \int_{-1}^1 (x + y^2) dx dy \quad .$$

2. Calculate the double integral

$$\int \int_R \frac{x^2 y}{x^3 + 1} dA \quad ,$$
$$R = \{(x, y) \mid 0 \leq x \leq 1, -1 \leq y \leq 1\} \quad .$$