

“QUIZ” for Lecture 12

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

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q12FirstLast.pdf) ASAP BUT NO LATER THAN Oct. 19 8:00pm

1. Calculate the iterated integral

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

2. Calculate the double integral

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