

Quiz 6

Your Name (please PRINT): _____

Student ID Number: _____

1. Evaluate the integral

$$\iint_D (6xy^2 + 3x^2) dA, \quad D = \{0 \leq x \leq 1, 0 \leq y \leq 2\}$$

2. Evaluate the integral

$$\iint_D y^2 e^{xy} dA, \quad D \text{ is bounded by } y = x, y = 4, x = 0$$