

NAME:

Math 2401 (K1-K3)
2/25/2015

Quiz 5

1. Find:

$$\iint_R x e^{xy} dA,$$

where R is the rectangle $R = [-1, 2] \times [0, 1]$.

2. Find:

$$\int_0^3 \int_{x^2}^9 x^3 e^{y^3} dy dx.$$

Hint: Possibly useful fact: $9^3 = 729$.