

MATH 251: Quiz 5

November 5, 2015

Name: _____ Sec: _____

1. Compute the following integrals.

$$\int_0^3 \int_1^2 x^2 + 4xy^2 + e^y \, dx \, dy$$

$$\int_1^2 \int_x^2 y \ln(xy) \, dy \, dx$$

2. Find the area between the curves $y = 2x$ and $y = x^2$. This is the area below $y = 2x$ and above $y = x^2$.