

# Homework 4

May 1, 2012

Exercises:

1. Compute integrals and draw in the  $(x, y)$  coordinate system the region over which you integrate:

(a) 
$$\int_0^2 \int_x^{x^2} 5xy \, dy \, dx$$

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

(c) 
$$\int_2^3 \int_1^{\frac{1}{x}} dy \, dx$$

2. Book (pp. 117-119): Exercises 4.4, 4.14, 4.22

3. Book (pp. 127): Exercises 4.34, 4.50, 4.52

Deadline: May 8, 13:40.