

Homework Set 8

DUE: NOV 4, 2019 (AT THE BEGINNING OF CLASS)

To be handed in:*Please write your solution to Problem 1 on a single sheet of paper!*

1. Compute the following iterated integrals:

a)
$$\int_{-1}^1 \int_0^2 x^2 y + y^2 x + 1 \, dx \, dy$$

b)
$$\int_0^1 \int_{-x}^x y + 1 \, dy \, dx$$

c)
$$\int_0^2 \int_{y^2}^4 2ye^x \, dx \, dy$$

NOT to be handed in (but recommended for you to practice with):

2. Textbook (5th edition) Section 14.1, Exercises 11-16, 47-52