Math 10B Homework Assignment (04/01 – 04/08)
Assignment will be collected on 04/15 the next Tuesday during the class.

Key notions introduced this week:
(1) Integral, multivariable integrals, double integral, iterated integrals;
(2) Positive functions, 2 dimensional regions, volumes;
(3) Cavalieri’s principle, Cartesian product;
(4) Intervals, rectangle regions, rectangle subregions, Riemann sum and double integral of a general function;
(5) Integrable functions and continuous functions;
(6) Fubini’s Theorem.

Homework problems:
§5.1. 1, 2, 4, 9, 10.
§5.2. 2, 3, 4, 5, 10.