Math 10B Homework Assignment (03/01 – 03/05)

Assignment will be collected on 03/12 the Monday after the Thanksgivings during the class.

Key notions introduced this week:

(1) The general expression of the Stokes Theorem, Fundamental Theorems of Calculus;
(2) Orientation of the boundary of a region, Green's Theorem and area formula;
(3) Generalization of Green's Theorem: Stokes' Theorem on a surface;
(4) Surface integrals, Curl formula.
(5) Gauss' Theorem.

Homework problems:

§**7.1.** 1, 5, 6, 10.
§**7.2.** 1, 3, 6, 8.
§**7.3.** 3, 5.