

## Math 10B Homework Assignment (05/22 – 05/24)

Assignment will be collected on 05/31 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.

### Homework problems:

§8.1. 1, 3(a,b), 5, 7, 11(a).

§8.2. 2, 5, 7, 9.