Math 46-010 Homework Assignment (01/11 – 01/15)
Assignment will be collected on 01/22 next Friday during the class.

Key notions introduced this week:
(1) First order linear equation;
(2) Homogeneous first order linear equations;
(3) Separable equations;
(4) Integral formula and the implicit solutions;
(5) Differences between the linear and the nonlinear equations;
(6) Existence and uniqueness theorem for the first order equations.

Homework problems:
§2.1. 1, 6, 16, 31.
§2.2. 1, 6, 19, 22.
§2.3. 2, 10, 15.