

Math 10A Homework Assignment (05/13 – 05/20)

Assignment will be collected on 05/27 the next Friday during the class.

Key notions introduced this week:

- (1) Implicit differentiations;
- (2) Implicit function theorem and inverse function theorem;
- (3) Curves, velocity vectors, speed, accelerations;
- (4) Newton's second law;
- (5) Arc length, arc length differential;

Homework problems:

§3.5. 2, 7, 10, 12.

§4.1. 2, 3, 8, 10, 17.

§4.2. 2, 3.