Math 10A Homework Assignment (05/02 – 05/06)

Assignment will be collected on 05/20 the Friday after next Friday during the class.

Key notions introduced this week:
  (1) Taylor Theorem for several variables;
  (2) Second order Taylor series;
  (3) Critical points and extremal points;
  (4) Second derivative test;
  (4) Determinant of second derivatives and extrema;
  (5) Absolute extrema;
  (8) Constrained extrema and Lagrange multipliers.

Homework problems:

  §**3.3.** 2, 8, 16, 22, 24.
  §**3.4.** 2, 4, 5, 12, 16, 28.