

## Homework 4

*Multivariable Analysis, Spring 2014*

*Instructor: Mert Gurbuzbalaban*

- Assigned: Mar 26, Due: Apr 7 (in class)
- Please do not submit homework by email. Submit a hard copy to me in class. For HW submissions after this, please reach out to our grader Insuk directly and send him a reminder([insuk@cims.nyu.edu](mailto:insuk@cims.nyu.edu)). Late HWs will be assessed a late penalty of 10% per day.
- Please staple your homeworks.
- Insuk will have a special office hour for claiming all the grades of assignments/exams at the almost end of the semester, the exact date will be announced. If there is any error/question about your grades, please wait until then for your objections/questions.
- Ground rules for homework: you can get help from any source (friends, relatives, books, the web) but you must acknowledge the source in your submission.

*Note that an earlier version of this homework contained questions from Section 4.7. Now these questions are removed and will be part of HW5.*

1. Section 4.2 of the book: Problem 4.
2. Section 4.3 of the book: Problem 3.
3. Section 4.4 of the book: Problem 5.
4. Section 4.5 of the book: Problems 1, 5.
5. Section 4.6 of the book: Problems 3, 4.
6. Section 4.8 of the book: Problems 1, 2.