

**Complex Analysis, MTH G204.
Fall 2004. Professor Mikhail Shubin.**

Textbook:

Complex Analysis, by Theodore W. Gamelin. Springer-Verlag New York, Inc., 2001.
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Homework assignment no. 2
(due September 23)

A general remark. Problems marked with * have an extended due date, which is not specified now. They are usually more difficult, but on the other hand, they are definitely worth thinking about. Please hand me any one of them when it is ready. Some of them may be topics for projects.

1. Section II.1, page 39-41: 1(d), 10(b,c), 11, 19*.
2. Section II.2, page 46: 2, 5.
3. Section II.3, page 50: 1, 2, 4.
4. Section II.4, page 53-54: 2, 3, 6, 7.
5. Section II.5, page 57-58: 1(a,c,f), 5, 6, 7.
6. Section II.6, page 61-62: 1(a,b), 3(a), 4, 5.
7. Section II.7, page 67-69: 1(a,h), 2, 9.