

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

**Textbook:**

*Complex Analysis*, by Theodore W. Gamelin. Springer-Verlag New York, Inc., 2001.  
Corrected printing 2003

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**Homework assignment no. 3**  
(due September 30)

*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 III.1, page 75-76: 3.
2. Section III.2, page 82-83: 1(c,d).
3. Section III.3, page 84-85: 1(b,c), 2.
4. Section III.4, page 86-87: 1, 3.
5. Section III.5, page 88-90: 1, 2, 3\*, 5.
6. Section III.6, page 96-97: 1.
7. Section III.7, page 100-101: 1\*, 2\*.