MA671–001 Complex Analysis
Spring 2020
Problem Set 2
DUE: Wednesday, 12 February 2020

1. Stein and Shakarchi, page 27: Problem 10.

2. Stein and Shakarchi, page 27: Problem 11.

3. Stein and Shakarchi, page 29: Problem 20.

4. Stein and Shakarchi, page 30: Problem 23. This will help in understanding the difference between a smooth function of a single real variable and an analytic function.)

5. Stein and Shakarchi, page 30: Problem 24 (this is part (ii) of Proposition 3.1.)

6. Stein and Shakarchi, page 30: Problem 25.