PROBLEM SET NO. 1

- **Rudin, Ch. 1:** Exercises 5, 6, 8, 9
- **Rudin, Appendix to Ch. 1:** Fill in the details in Step 6, i.e., verify the axioms (M) and (D) of Definition 1.12 with $\mathbb{R}^+$ in place of $F$ and with $1^*$ in the role of 1.

Problem set due on Thursday, 10/8, 4:00 PM, in math department’s drop box