Homework 7: Topology of $\mathbb{R}$

*Assignments should be **stapled** and written clearly and legibly.*

1. Define the following (as in class): open set, closed set. Give two equivalent definitions of limit point (as in class).

2. §3.4, #5, 14, 15, 20, 21. (Note for Problem 14: S' is the set of limit points of S.)