

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