Math 131B, problem set 01
Outline due: Wed Aug 28
Complete version due: Wed Sep 04
Last revision due: Mon Sep 23

1. 1.1.2.

2. Suppose S and T are nonempty bounded subsets of $\mathbf{R}$ such that for every $s \in S$ and $t \in T$, we have that $s \leq t$.

   (a) Prove that if $t \in T$, then $t \geq \sup S$.

   (b) Prove that $\sup S \leq \inf T$.

3. 2.2.3.

4. 2.3.1.

5. 2.3.5.

6. 2.4.1.

7. 2.4.10.