

Math 131B, problem set 01
Outline due: Wed Aug 24
Complete version due: Mon Aug 29
Last revision due: Mon Sep 19

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.