- **1.** Abbott 2.4.2
- **2.** Abbott 2.4.4
- 3. (Hand this one in to David.) Abbott 2.4.6
- **4.** Let c > 1. Compute (with proof) $\lim_{n\to\infty} c^{1/n}$.
- **5.** Abbott 2.5.1
- 6. Let (a_n) be an unbounded sequence. Prove there is a subsequence (a_{n_k}) such that $\lim_k 1/a_{n_k} = 0$.
- **7.** Abbott 2.5.2
- 8. (Hand this one in to David.)2.5.4
- **9.** 2.5.5