

- Know basic definitions. Really. No kidding.
- You should be able to prove Theorems 17.3, 17.4, and 17.5.
- You should be able to prove the Extreme Value Theorem (18.1) and the Intermediate Value Theorem (18.2).
- Theorem 19.2 is very important. You should be able to prove it.
- Section 20: There are 15 types of limits of real valued functions of a real variable. You should be able to define these either with an epsilon type definition or a sequence type definition and to prove these two definitions are equivalent.

Be able to compute limits and prove basic facts about limits using the definitions.

- Section 23: Be able to find the interval of convergence of a power series.
- Section 24. Understand uniform versus pointwise convergence. Be able to prove if a given sequence of functions converges in either sense.
- Section 25. Be able to prove Theorem 25.7 and use it.
- Section 26. Know how to use the theorems in this section as in the homework.
- Any homework problem is fair game.