Positive Terms Series

Reading

Section 11.3

Problems

- Practice Problems: 11.3 3, 5, 7, 11, 15, 17, 18, 19, 23, 39, 41, 62, 71
- Problems to turn in: 11.3 8, 10, 24, 40
- Challenge (optional): 11.3 31, 32, 67, 79, 80

Topics to know

- 1. Positive terms series have increasing partial sums.
- 2. Positive terms series converge if and only if they are bounded (theorem 1).
- 3. This is not true for non-positive terms series.
- 4. Integral test for positive terms series (theorem 2).
- 5. The harmonic series (example 1).
- 6. p-series (theorem 3).
- 7. Comparison test (theorem 4, examples 3, 5).
- 8. Limit comparison test (theorem 5, example 6).