REVIEW FOR EXAM 2, MATH10560

The following is a list of methods, formulas and examples from the textbook that you need to know for the second exam.

- 8.4: How to integrate rational functions by partial fractions. All formulas and all examples.
- 8.5: Strategies in P520-522. All examples.
- 8.7: Three rules for approximation of integrals. Error bounds are **not** required. Examples 1, 3(a), 4, 7(a).
- 8.8: Everything except the comparison test. Examples 1-8.
- 9.1: Formulas 2-4. Examples 1, 2, 3(a).
- 9.2: Formulas 4-8. Examples 1-3.
- 9.3: Formulas 5-9. Examples 3-6.
- 10.2: Euler's method. Examples 1, 3.
- 10.3: How to solve separable equations. Examples 1-3.
- 10.5: How to use integrating factors to solve linear equations. Examples 1-3.