Study guide for quiz 03

Quiz problems include both the lecture contents and homework problems.

1. Section 10.5-10.6: Listed in order of priority:

    (a) The statements of the Absolute Convergence Test, the Ratio Test, the Root Test, the Alternating Series Test, and the Alternating Series Estimation Theorem.

    (b) Practice each of these tests with some examples.

    (c) For each of the tests mentioned above, find an example of a series that can be found convergent/divergent using that test.

    (d) Study the proof of these tests (midterm 01).

2. Section 10.3: Study the "Bounds for the Remainder in the Integral Test".

3. Section 10.6: Memorize some examples of absolutely (conditionally) convergent series.

4. Section 10.6: Skip (ignore) the "Rearranging Series" part. It will not appear in any exams.