

Homework 7, due 10/26

Problems 14.4, 14.6, 15.4, 15.8, 17.2 from the textbook.

Homework 6, due 10/14

Solve problems 14.2, 14.10, 15.2, 15.6 and 14.12 from the textbook.

Construct a series which proves necessity of the monotonicity condition in the Alternating Series Theorem 15.3.

Homework 5, due 10/07

Solve the problem 12.4 from the textbook, and show that if the inequality sign in the statement of 12.4 was replaced by equality then the statement would become wrong.

Solve the following problems from the textbook: 13.1, 13.2, 13.3, 13.7.

Homework 4, due 09/30

Solve the following problems from the book.

From Chapter 9: 9.1, 9.3, 9.5, 9.12, 9.14

From Chapter 10: 10.1, 10.2, 10.5, 10.8, 10.9,

From Chapter 11: 11.2, 11.4, 11.5, 11.8, 11.9

Turn in problems 9.1, 9.12, 10.1, 10.2, 11.2, 11.8.

Do NOT turn in more problems than the ones requested, any other problem would not count towards the homework grade even if correct.

Homework 3, due 09/23

Solve problems 5.2, 5.6, 7.3, 7.4, 8.1 only parts (a) and (c), 8.3, 8.6, 8.8 and 8.10 from the book. Turn in all the problems.

Note: in problem 5.6, you can ignore the last sentence about exercise 4.7a. I want you to prove the entire statement (meaning that suprema and infima can be finite or infinite).

Homework 2, due on 09/09

Attached Files:  [hw2.pdf](#) (49.552 KB)

Homework 1

Attached Files:  [hw1.pdf](#) (58.952 KB)