

**Introduction to Theoretical
Mathematics II, Fall 2009
Homework Assignments**

Homework 1, due Thursday 10th September

From section 4.1 of Bartle and Sherbert, do questions 1, 2, 7, 9, 11 and 13.

Homework 2, due Thursday 17th September

From section 4.2 of Bartle and Sherbert, do questions 2, 3, 5, 9, 10 and 11.

Homework 3, due Thursday 24th September

From section 4.3 of Bartle and Sherbert, do questions 3, 5, 9 and 12.

From section 5.1 of Bartle and Sherbert, do questions 4 and 5.

Homework 4, due Thursday 1st October

Do the take-home quiz, due in class, Tuesday 29th September.

From section 5.1 of Bartle and Sherbert, do questions 11 and 13.

From section 5.2 of Bartle and Sherbert, do questions 1, 3, 11 and 15.

Homework 5, due Thursday 8th October

From section 5.2 of Bartle and Sherbert, do questions 13 and 14.

From section 5.3 of Bartle and Sherbert, do questions 1, 2, 5 and 8.

Homework 6, due Thursday 15th October

Prepare for the exam Thursday 15th October.

Material up to page 140 of Bartle and Sherbert.

From section 5.3 of Bartle and Sherbert, do questions 12 and 17.

From section 5.4 of Bartle and Sherbert, do questions 1, 2, 3 and 4.

Homework 7, due Thursday 29th October

From section 5.4 of Bartle and Sherbert, do questions 6, 7 and 12.

From section 5.6 of Bartle and Sherbert, do questions 3, 6 and 9.

Homework 8, due Thursday 5th November

From section 5.4 of Bartle and Sherbert, do question 13.

From section 5.6 of Bartle and Sherbert, do questions 11 and 12.

From section 6.1 of Bartle and Sherbert, do questions 1 and 8.

Homework 9, due Thursday 12th November

From section 6.1 of Bartle and Sherbert, do questions 4, 5, 6, 11 and 13.

From section 6.2 of Bartle and Sherbert, do question 1.

Homework 10, due Thursday 19th November

From section 6.2 of Bartle and Sherbert, do questions 4, 6, 10, 11, 12 and 17.

Homework 11, due Thursday 3rd December

From section 6.2 of Bartle and Sherbert, do question 19 and 20.

From section 6.3 of Bartle and Sherbert, do questions 3, 4, 6 and 7.

Homework 12, due Thursday 10th December

From section 6.3 of Bartle and Sherbert, do question 9 and 10.

From section 6.4 of Bartle and Sherbert, do questions 7, 10, 16 and 20.