

# MATH1061/7861: Chapter 7 Practice Questions and Assignment 8

## Chapter 7 (Sections 7.1–7.5) Practice Questions

The solutions to the Practice Questions are in the back of the textbook, so remember to check your solutions.

**Section 7.1** Complete the following questions from pages 354–357 of the textbook. 1, 3ab, 5a, 7, 23a, 26a, 28a, 31, 35abc.

**Section 7.2** Complete the following questions from pages 417–419 of the textbook. 1, 6, 7a, 9a, 12, 14a, 16, 17, 21, 24a, 36, 38, 39, 40, 43.

**Section 7.3** Complete the following questions from pages 430–431 of the textbook. 3, 5, 9, 10, 12, 14, 17, 25, 26, 29.

**Section 7.4** Complete the following questions from page 441–443 of the textbook. 1, 3, 9, 16.

**Section 7.5** Complete the following questions from pages 454–456 of the textbook. 1.

**Section 12.2** You may like to try the following questions from pages 760–763 of the textbook. However please note that unless specifically stated otherwise in lectures these section will not be examined. 2, 5, 7, 8, 10c, 12.

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## Assignment 8

Due by 5 pm Thursday 13th October, 2005 . Please place your assignment in the box marked MATH1061/7861 on level 4 of Building 67 (Maths Building). Please ensure that you attach a cover sheet to your assignment. You will find copies of the cover sheet at the back of this booklet.

**Section 10.2** pages 592–594, Questions 17.

**Section 10.3** pages 608–610, Show that the relation given in Question 24 is an equivalence relation. And state the distinct equivalence classes for Questions 19, 24.

**Section 7.1**, pages 399–402: Questions 2abcef, 13b.

**Section 7.2**, pages 418–419: Questions 7b, 18, 50