

# MATH1061: Chapter 5 & 11 Practice Questions and Assignment 6

## Chapter 5 (Sections 5.1–5.3) Practice Questions

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

### Section 5.1

Complete the following questions from pages 242–243 of the textbook.  
1, 4a, 6abfi, 8, 12ab, 14a, 17a, 18a.

### Section 5.2

Complete the following questions from pages 256–257 of the textbook.  
3, 8, 15.

### Section 5.3

Complete the following questions from pages 266–268 of the textbook.  
4,9,20a, 33a, 35ad, 36, 40abc, 41a, 42b.

## Chapter 11 (Section 11.1) Practice Questions

**Section 11.1** Complete the following questions from pages 616–619 of the textbook.  
1, 5, 8, 12, 15, 16, 19, 22, 24a, 25a, 28.

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## Assignment 6

Solutions to these questions are to be handed in to your tutors or to Mrs Diane Poke, Information Environments Program, UQ Ipswich, on Friday September 13, 2002. (This assignment is fairly long, but most of the questions are pretty simple. However I think they are worth doing just to check your understanding.)

**Section 5.1**, pages 242–243: Questions 6, 10, 15

**Section 5.2:** Questions 1. Prove that  $A \subseteq B$  if and only if  $A \cap B = A$ .

**Section 5.3:** page 268: Questions 40, 42ac, 45.

**Section 11.1** pages 616-619; Questions 4, 9, 21, 23, 46.