

**Mathematics 1225B - Syllabus and Suggested Exercises - Summer 2014**

Section	Page	Problems
§5.1 †	9	odd 1 - 35, all 43 - 46.
§5.2 †	17	all 1 - 20, odd 21 - 59, 68, 69, all 77 - 80.
§5.3 †	25	odd 1 - 27, all 28 - 40, odd 41 - 47, 48, 49, 71, 73.
§5.4 †	35	odd 1 - 31, all 32 - 44, odd 45 - 55, all 58 - 63.
§6.2	67	all 1 - 8, all 10 - 14, all 27 - 30.
§6.4	75	all 1 - 34, 43, 44, 46, 49, 50.
§8.1	94	odd 1 - 55, odd 59 - 67, odd 71 - 75, 79.
§8.2	111	odd 1 - 41, 45 - 73. (Note: typo in #39 the square root should be only in the numerator)
§8.4	132	odd 21 - 51.
§8.5	143	odd 1 - 27, 30, 31, 32, 34, 37, 38, odd 39 - 49, all 64 - 69, 71, 74.
§5.1 ‡	156	2, 4, 5, 9, 11, all 13 - 23, 25, all 28 - 31, all 33 - 35, 41, 43, 45, 46.
§5.2 ‡	170	all 1 - 10, all 13 - 17, all 19 - 22, all 28 - 31. (Hint for #5: use $\tan^2 y = \sec^2 y - 1$ )
§9.1	180	odd 1 - 33, 37, 39 all 43 - 50, 53, 55, 56, 57.
§9.2	190	odd 1 - 13, all 14 - 23, odd 25 - 29.
§9.5	201	odd 1 - 9, odd 13 - 29, odd 33 - 41.
§10.1	213	odd 1 - 13, 29.
§10.2	226	odd 1 - 25, odd 29 - 59.
§10.3	237	odd 1 - 19, 27, all 29 - 31, 33.
§10.5	249	1, 3, 5, 7, 11, 12, 13, 15, 17, 18, 23, 25.
§7.1	267	all 1 - 5, all 9 - 11, 14, 16, 17, 20, 22, 23, all 25 - 27, all 34 - 36, 39, all 42 - 45.
§5.5 †	44	1, 2, 11, 15
§7.4	282	all 1 - 11, 13, 15, all 17 - 22, all 27 - 29.

**Notes:**

- Page numbers and text section references refer to the custom published text (larger number shown at the **centre bottom** of each page).
- Because the source material for this text comes from two different books, the custom text contains **two Chapter 5's**. In the table of contents, the two source texts are indicated by superscripts of † and ‡. In the above, the same symbols are used to differentiate between the two Chapter 5's. Section numbers followed by † refer to **the first Chapter 5** in the text, while section numbers followed by ‡ refer to **the second Chapter 5**.
- Except for §5.5 †, which is covered with Chapter 7 at the end of the course, all sections covered are in the same order as they appear in the custom published text.
- Any changes to this list will be announced on the NEWS and/or Homework discussion boards.
- Answers and solutions for assigned even-numbered problems are posted on the course web site.