

## Math 187 – Recommended Practice Homework Problems (9<sup>th</sup> ed)

The following exercises are *not* to be handed in for marking. Instead, you are encouraged to work on these selected exercises as part of your studying for the course.

These sections are from Washington, Basic Technical Mathematics with Calculus, SI Version, 9<sup>th</sup> edition.

Section	Exercises
25.1	9, 11, 13, 15, 19, 21.
25.2	17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 47, 51, 55.
25.3	none
25.4	5, 7, 11, 15, 17, 19, 21, 23, 25, 27, 29, 33, 35, 41.
25.5	3, 5, 9, 11, 15.
25.6	3, 7, 9, 13.
Ch 25 Review	5, 13, 17, 19, 25, 31, 35, 37, 49, 51.
26.1	7, 9, 15, 25, 31
26.2	a few of 3 – 25, all of 29, 39, 43, 45 (see webpage for graphs for #9 and #17)
26.3	a few of 7 – 15, a few of 17 – 25, all of 31, 37
26.4	a few of 11 – 27
26.5	a few of 7 – 19, all of 21, 23
26.6	11, 15, 17, 19, 35, 37
Ch 26 Review	13, 15, 17, 21, 23, 25, 29, 31, 33, 35, 43, 45
28.1	a few of 3 – 25, all of 27, 29, 31, 35
28.2	a few of 3 – 29, all of 37, 41, 43 (note: typo in answer to #37 – see webpage for correction)
28.3	a few of 3 – 27, all of 29, 31, 35
28.4	a few of 3 – 19, all of 25, 27, 29, 31, 35
28.5	a few of 3 – 33, all of 45, 47
28.6	a few of 3 – 29, all of 31, 33
28.7	a few of 3 – 21
28.8	3, 5, 7, a few of 9 – 23, 25
28.9	a few of 7 – 23, all of 31, 33
28.10	a few of 5 – 17, all of 23, 29 (try #19 if you want a challenge! Gilles' soln posted on web)
Ch 28 Review	a few of 1 – 41, 59
29.1	7, 11, 13, 15, 19, 21
29.2	none
29.3	a few of 3 – 23, all of 27, 31, 35
29.4	a few of 3 – 15, all of 17, 19, 23
Ch 29 Review	1, 3, 11, 15, 17, 19, 23, 27, 39
Ch 30	Gilles' series problems handout (covers all sections)
30.1	25, 27, 29, 31
30.2	a few of 3 – 27, all of 31, 33
30.3	3, 7, 9, 11, 13, 15, 17, 35
30.4	a few of 3 – 19, all of 21, 23
30.5	a few of 3 – 9, a few of 11 – 21, a few of 23 – 29, 35
Ch 30 Review	1, 3, a few of 11 – 21, 25

Notes:

- Only the odd-numbered questions have answers! So practice with odds only!
- If you have a previous edition of the textbook instead, please check the website for the recommended problems for that edition.
- The colour banding indicates the tentative quiz cutoffs. For example, Quiz 1 will likely test Sections 25.1 to 26.2 inclusive, while Quiz 2 will be on Sections 26.3 up to and including 28.5. Do check the announcements page, though, for any changes.