

Math 189 – Recommended Practice Homework Problems

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.

W – denotes sections from Washington, Basic Technical Mathematics with Calculus, 9th edition

S – denotes sections from Schaum’s Outline, Beginning Statistics

Section	Exercises
W 31.1	3 – 31 alt odd, 33 (be sure to try #19, but only attempt #27 if you want a challenge)
W 31.2	3 – 37 alt odd
W 31.3	3 – 23 alt odd (hint: for #17, multiply through by y first)
W 31.4	3 – 27 alt odd, 31, 33, 35
W 31.5	1, 3, 5 (this section is supplement 8 in the 8 th edition)
W 31.6	5, 7, 13, 17, 19, 21, 23, 37, 43, 45, 47
W 31.7	3 – 23 alt odd, 27, 29, 31, 33
W 31.8	5 – 39 alt odd (omit #29)
W 31.9	5 – 35 alt odd
W 31.10	3, 5, 7, 9, 11 (optional: also can try #25 if you want a nice Statics problem!)
S-1	page 8: 1.1 to 1.10, inclusive page 16: 1.16 to 1.25, inclusive
S-2	none
S-3	handout
S-4	page 84: a few of 4.1, 4.3 – 4.9, 4.12 – 4.19, 4.21 – 4.23, 4.27 – 4.29 page 93: a few of 4.32 – 4.34, 4.45 – 4.48, 4.50, 4.52 – 4.55, 4.57, 4.59, 4.60
S-5	page 110: 5.2, 5.6, 5.9, 5.13, 5.14, 5.15, 5.19, 5.24, 5.27 page 118: 5.37, 5.39, 5.47, 5.48, 5.55
S-6	handout page 141: 6.12 page 149: 6.21 – 6.24, 6.31, 6.32
S-7	page 164: 7.8, 7.9 page 173: 7.27, 7.34, 7.35
S-8	page 190: 8.7, 8.14, 8.15 page 195: 8.20, 8.21, 8.27
S-13	handout

Notes:

- “alt odd” means do every second odd one (every alternate odd question). Or you could also take it to mean “do a bunch of the odd questions, but you don’t have to do every single one of them” if you like.
- The colour banding indicates the test cutoffs. For example, Test 1 will test Washington sections 31.1 to 31.8 inclusive. Test 2 will cover Washington sections 31.9, 31.10, and the first three chapters of statistics.