

Math 173 – Recommended Practice Homework Problems from Beecher, Penna, & Bittinger, Algebra and Trigonometry, 3rd edition

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.

Section	Exercises
G1	1, 3, 4, 21, 24, 28-34, 36c, 38, 40, 42, 44, 48 (answers on page 12 of handout) – only try #35 if you'd like a bit of a challenge
G2	11, 12, 13, 14, 17, 18, 19, 20, 21, 23, 24, 32, 44, 54, 55 (answers on page 12 of handout)
5.1	1-95 alt odd, 101
5.2	1-15 alt odd, 25, 29, 33 (try 23 only if you'd like a challenge)
5.3	1-23 alt odd, 25-37 odd, 39-77 alt odd, 87-105 alt odd
1.2	15-67 alt odd
1.5	1-15 alt odd
1.6	1-15 alt odd, a few of 17-31, 33-43 alt odd, 47-67 alt odd, a few of 69-89, 91, 93
1.7	1-5 odd, 7, 13, 33-37 odd, 39, 45, 53, 63, 65, 73, 81, 97, 99, 101, 105, 119, 123
2.4	1-33 alt odd, 39, 41
3.1	1-41 alt odd
3.2	1-39 alt odd
3.3	(use any method you like to answer; synthetic division is optional) 31-37 alt odd, 39, 41, 47, 49, 51, 53
3.4	17-31 alt odd, 49-53 alt odd, 59, 65, 67, 79-91 alt odd
3.5	1-59 alt odd (be sure to try #45), 63-67 alt odd
4.1	1-15 alt odd, 25-59 alt odd, 67-85 alt odd
4.2	1-39 alt odd, 43, 45, 61
4.3	1-89 alt odd, 93
4.4	1-75 alt odd
4.5	1-21 alt odd (give exact & approximate solutions; omit 23, 25), 27-53 alt odd, 79
4.6	1-19 alt odd
5.4	9-59 alt odd, 61, 65, 69
5.5	7-41 alt odd, 43, 45, 49, 51, 53, 55 (make sure you can sketch $\csc x$, $\sec x$, $\tan x$, and $\cot x$)
5.6	1-43 alt odd
6.1	1-43 alt odd, 45, 47, 51-61 alt odd, 65, 67, 73, 75
6.2	3, 5-15 alt odd, 29-33 alt odd, 41-47 alt odd
6.3	1-29 alt odd
6.4	1-59 alt odd, 63, 65
6.5	1-43 alt odd
7.1	1-29 alt odd
7.2	1-35 alt odd
7.3	1-53 alt odd – also do a few of 55-75, but will only be tested on assignment and not quiz
9.1	1-33 alt odd
9.2	1-53 alt odd
9.3	1-37 alt odd
10.1	1-71 alt odd
10.2	1-47 alt odd
10.3	1-55 alt odd
10.7	1-29 alt odd, 37, 39

Notes:

- If you have a previous edition of the textbook instead, please check the website for the recommended problems for that edition.
- “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 quiz cutoffs. For example, Quiz 1 will test Sections G1 to 1.5 inclusive, while Quiz 2 will be on Sections 1.6 up to and including 3.5.