

Math 173 – Recommended Practice Homework Problems from Beecher, Penna, & Bittinger, Algebra and Trigonometry, 4th 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 – only try #35 if you'd like a bit of a challenge (answers on last page of handout)
G2	11, 12, 13, 14, 17, 18, 19, 20, 21, 23, 24, 32, 44, 54, 55 (answers on last page of handout)
6.1	1 – 15 alt odd, a few of 17 – 27, a few of 31 – 81, 83 – 95 alt odd
6.2	1 – 15 alt odd, 27, 31, 35 (try 25 only if you want a challenge)
6.3	1 – 77 alt odd, 87 – 105 alt odd
1.2	21 – 27 alt odd, 35 – 69 alt odd (omit 51)
2.1	1 – 15 alt odd
2.2	1 – 31 alt odd, 33, 35, 41, 47, 57, 61
2.3	a few of 17 – 37 odd
2.4	1-5 odd, 7, 17, 33-37 odd, 39, 41, 43, 47, a few of 49 – 83 odd, 97 – 105 alt odd
3.3	1, a few of 3 – 15, all of 17 – 21 odd, all of 25 – 29 odd, 31 – 39 alt odd, all of 45, 47, 53
4.1	a few of 11 – 17 odd, all of 19, 21, a few of 17-35 odd
4.2	all of 7 – 11 odd, a very few of 13 – 35 odd, one or two of 39 – 45 odd
4.3	(use any method you like to answer; synthetic division is optional) 39 – 47 odd, 49 – 53 odd
4.4	49 – 53 odd, all of 55, 59, 67, a few of 81 – 95 odd, 99
4.5	all of 7, 9, 11, a few of 13 – 31 odd, a few of 33 – 41 odd, be sure to try 53, a few of 55 – 65 odd
5.1	a few of 1 – 15 odd, a few of 25-31 odd, 73, 75, do 85 but omit the graphing part
5.2	3, 5, 7, 9, 11, 15, 27, 29, 33, 35
5.3	a few of 9 – 77 odd, 79, 83, 85
5.4	a few of 23 – 63 odd, 65 – 75 odd
5.5	a few of 1 – 27 odd (give exact & approx solutions; omit 25 and 29), a few of 31 – 55 odd, 57
5.6	7, 9 (use the C-14 halflife from Example 5 in text), 13, 15, 17, 19, 21
6.4	9, 11, 13, a few of 21 – 57 odd, 59
6.5	a few of 7 – 41, all of 43, 47 (make sure you can also sketch $\csc x$, $\sec x$, $\tan x$, and $\cot x$)
6.6	11, 17, 33, 39, 41, 43
7.1	3, 5, 15, 19, 47, 55, 67, 69, 73
7.2	7, 11, 23, 31, 33, 35, 39
7.3	5, 9, 13, 17, 19, 21, 23, 27
7.4	1, 13, 21, 31, 39, 43, 57, 59, 63, 65
7.5	3, 7, 13, 27, 29, 31
8.1	1-29 alt odd
8.2	1-35 alt odd
8.3	a few of 1-53 odd OR do the supplemental questions on the handout
10.1	1-33 alt odd
10.2	1-45 alt odd, 49, 51
10.3	1-33 alt odd, 37
11.1	1-71 alt odd
11.2	1-47 alt odd
11.3	1-55 alt odd
11.7	1-19 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 2.1 inclusive, while Quiz 2 will be on Sections 2.2 up to and including 4.5.