

## Math 185 – 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.

V – denotes sections from the class handouts on vectors

MA – denotes sections from the Matrix Algebra booklet

W – denotes sections from Washington, Basic Technical Mathematics with Calculus, 8<sup>th</sup> edition.

Section	Exercises
V.1	all
V.2	all
V.3	all
V.4	all
MA 7.1	5 – 27 alt odd, but don't bother with the graphs (alt odd means do every <u>second</u> odd one)
MA 7.2	1 – 29 alt odd, 47 – 53 odd, 63, 65
MA 7.3	1 – 37 alt odd, 53, 57, 61
MA 8.1	1 – 31 alt odd, 37 – 79 alt odd
W 23.1	5, 7, 11, 13, 15, 17, 21, 25, 27, 29, 31
W 23.2	7 – 21 odd
W 23.3	3 – 25 alt odd, 31, 35
W 23.4	3, 5, 9 & 13, 15 – 23 alt odd, 25, 27, 29, 31, 35
W 23.5	5 – 35 alt odd, 37, 39, 45
W 23.6	3 – 31 alt odd, 39, 41, 47, 49
W 23.7	5 – 35 alt odd, 37, 39, 41, 49, 53, 55
W 23.8	3 – 27 alt odd, 29, 31, 35, 37
W 24.1	3 – 13 odd, 17, 21, 27
W 24.2	3, 5, 7, 9, 25, 27 (for #7, note that $f(0) = -1$ and $f(1)=6$ )
W 24.3	3, 5, 11, 13, 17, 19, 21
W 24.4	3, 7, 9, 15, 17, 19, 25, 29, 33, 35 (be sure to try the last two questions!)
W 24.5	5 – 31 alt odd, 39, 47
W 24.6	3 – 17 alt odd, 21, 25, 27
W 24.7	3, 5, 11, 15, 17, 21, 27, 29
W 24.8	5 – 23 alt odd, 25 – 35 odd
W 27.1	3 – 33 alt odd, 41, 43, 45, 47, 51, 53
W 27.2	3 – 37 alt odd, 43, 45, 47, 49
W 27.3	3 – 33 alt odd, 37, 39, 43, 47, 51
W 27.4	3, 5, 9, 11, 13, 15, 17, 19, 23, 25, 27
W 27.5	3 – 33 alt odd, 39, 41, 43, 45, 51, 55
W 27.6	3 – 31 alt odd, 37, 39, 43, 45, 47, 49, 51
MA 8.2	1 – 17 alt odd, 23, 25, 27 – 55 alt odd, 59 – 67 odd
MA 8.3	1 – 67 alt odd
MA 8.4	1 – 21 alt odd, 53 – 59 odd, 61 – 67 alt odd
MA 8.5	1 – 25 alt odd, 29 – 41 alt odd