

## Math 251 – Recommended Practice Homework Problems from Poole, Linear Algebra, A Modern Introduction, 3<sup>rd</sup> 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
1.1	# 1(b), 3(b), 5(a), 9, 13, 19.
1.2	# 3, 9, 15, 17, 25, 27, 31, 33, 35, 41, 43, 45, 47, 51, 61, 62, 63, 66, 68, 73.
1.3	# 1, 3, 5, 7, 9, 13, 17, 19(a),(b), 23, 25, 27, 29, 31, 33, 35, 37, 43.
2.1	# 1, 3, 9, 13, 15, 17, 21, 23, 27, 29, 31, 35, 37, 41.
2.2	# 1, 3, 11, 13, 17, 21, 25, 27, 29, 31, 33, 35, 37, 41, 45, 49.
2.3	# 1, 3, 5, 7, 9, 11, 15, 17, 23, 25, 27, 29, 31, 35, 41.
2.4	# 1, 5, 7, 9, 45.
3.1	# 5, 7, 13, 15, 17, 21, 23, 31, 33, 35, 38(a), 39(c).
3.2	# 1, 3, 5, 7, 9, 13, 15, 23, 37.
3.3	# 3, 5, 9, 11, 13, 21, 23, 25, 27, 29, 31, 33, 35, 39, 49, 53, 55, 57.
3.4	# 3, 7, 9.
3.5	# 3, 7, 11, 15, 17, 19, 21, 23, 27, 29, 31, 37, 39, 41, 45, 51, 57.
3.6	# 1, 3, 5, 7, 11, 13, 17, 19, 21, 23, 25, 27, 31, 37, 39.
4.1	# 5, 13, 15, 23, 25, 27, 35, 37.
4.2	# 5, 7, 13, 15, 27, 29, 31, 33, 35, 37, 45, 47, 49, 51, 57.
4.3	# 1, 3, 5, 7, 15, 17, 21, 33.
4.4	# 9, 11, 13, 15, 17, 41.
5.1	# 3, 5, 9, 13, 19, 21, 27.
5.2	# 3, 5, 7, 9, 11, 13, 17, 21.
5.3	# 3, 5, 9, 11, 17.
5.4	# 1, 3, 5, 21, 23.
7.3	# 7, 9, 11, 15, 15, 19, 27, 41.