

MATE 3032 practice problems

Set 1 §6.2: exercises 10, 14, 26, 52, 62 p.446. §6.3: exercises 5, 18, 25, 41, 44 p.454.

Set 2 §6.4: exercises 5, 10, 11, 19, 21, 26 p.458. §6.5: exercises 13, 15, 19 p.463.

Set 3 §7.1: exercises 11, 34, 39, 47, 65, 69 p.476. §7.2: exercises 11, 32, 38, 41, 52, 69 p.484.

Set 4 §7.3: 17, 22, 24, 35, 37 p.491. §7.4: 12, 26, 31, 33, 39, 52, 74 p.501.

Set 5 §7.5: 5, 10, 17, 19, 26, 71, 76, 82, 84 p.507.

Set 6 §7.8: 15, 16, 26, 42, 51, 52, 61, 62, 71, 78 p.534.

Set 7 §8.1: 17, 33, 38, 40 p.549. §8.2: 9, 17, 27, 33 p.555. §10.3: 25, 31, 44, 62 p.667.

Set 8 §10.4: 4, 7, 22, 24, 31, 36, 44, 55 p.672.

Set 9 §11.1: 36, 43, 53, 73, 81, 82, 85, 89 p.704. Exercises 1–18 of §11.1 are background exercises and should be done first. Do not hand in these. Start working on this section as soon as we cover it, as this chapter is considered conceptually difficult. §11.2: 15, 16, 26, 27, 30, 40, 43, 51, 58 p.715. For your benefit, but not to hand in, do all the exercises in the syllabus.

Set 10 §11.3: 3, 8, 11, 27, 45 p.725. §11.4: 1, 5, 14, 18, 20, 21, 31, 37 p.731.

Set 11 §11.5: 2, 5, 9, 12, 23, 27, 31, 32, 35 p.736.

Set 12 §11.6: 14, 19, 27, 40, 43, 45, 46, 49 p.743. §11.7: 2, 6, 18, 20, 33, 35, 38 p.746.

Set 13 §11.8: 8, 10, 15, 16, 24, 32, 33 p.751. §11.9: 2, 3, 12, 17, 23, 38, 40 p.757.

Set 14 §11.10: 2, 6, 10, 14, 22, 24, 32, 39, 42, 55, 60, 70, 78, 85 p.771. For those exercises requiring graphing, remember that you can use the wolframalpha site.

Set 15 §12.1–12.3: exercises from syllabus. §12.5: 1, 5, 7, 13, 32, 37, 40, 47, 50, 63, 68, 69, 71, 73, 76, 77 p.831. For 37 and 40, you may use the cross-product.