Assigned Homework Exercises

References are to Leon’s Linear Algebra with Applications, 7E. This file grows over time.

3.1: 2, 3, 4, 7, 8, 11, 12, 16. Click here for a solution.

3.2: 1, 3–6, 9, 11, 13, 14. Click here for a solution.

3.3: 1–4, 6–8, 11, 14. Click here for a solution.

3.4: 3–5, 7, 8, 11, 12. Click here for a solution.

3.5: 2, 4–10. Click here for a solution.

3.6: 1–3, 6–9, 16, 20, 22. Click here for a solution.

4.1: 1–3, 6, 14, 16, 17, 21. Click here for a solution.

4.2: 2, 4, 5–8, 14, 18. Click here for a solution.

4.3: 2, 4, 5, 9, 11. Click here for a solution.

5.1: 1(c), 2(c), 3(b,d), 5, 8, 9, 11. Click here for a solution.

5.2: 1(a, c), 3, 5-8. Click here for a solution.

5.3: 1 (a, c), 2(a,c), 3(a), 4(a), 5(a), 6(a), 9(a). Click here for a solution.

5.4: 2, 3, 4, 7(b), 8, 10, 19, 20. Click here for a solution.

5.5: 2, 5, 6, 14, 19, 21(b(ii)). Click here for a solution.

5.6: 2(b), 3, 5, 7. Click here for a solution.

6.1: 1, 3, 4, (#5 is not assigned, but you should read the statement and proof. Statement needed for subsequent problems) 6, 7, 8, 11, 15. Click here for a solution.

6.3: 1 (a, b, d), 4(b), 7, 8(c), 9, 17. Click here for a solution.

6.4: 1–3, 5(a, c). Click here for a solution.

6.5: 2–5. Click here for a solution.

6.6: 1, 6, 7(d, e), 8. Click here for a solution.
6.7: 1, 5(a, c, d), 8. Click here for a solution.

7.1: 1–4. Click here for a solution.

7.4: 1, 2, 3, 4, 5, 21, 22, 25. Click here for a solution.

7.5: 3–6. Click here for a solution.