

PROBLEM SET 7 (DUE: MAR 27, WED)

1. Do Exercise 3.3.14 in [OS18].
2. Do Exercise 3.3.47. in [OS18].
3. Do Exercise 3.4.8. in [OS18].
4. Do Exercise 3.4.25. in [OS18].
5. Do Exercise 3.5.8. in [OS18].
6. Do Exercise 3.6.27. in [OS18].
7. Do Exercise 3.6.40. in [OS18].

— More Exercises Suggestions (these are not a part of homework): 3.3.1, 3.3.4, 3.3.7, 3.3.9, 3.3.13, 3.3.16, 3.3.19, 3.3.23, 3.3.27, 3.3.36, 3.3.41, 3.3.43, 3.3.51, 3.3.52, 3.4.2, 3.4.5, 3.4.10, 3.4.14, 3.4.20, 3.4.22, 3.4.26, 3.4.29, 3.4.30, 3.4.35, 3.5.2, 3.5.6, 3.5.10, 3.5.13, 3.5.15, 3.5.19, 3.5.21, 3.6.1 (answer: Euler's identity), 3.6.26, 3.6.30, 3.6.36, 3.6.43, 3.6.44, 3.6.45, 3.6.46, 3.6.49

REFERENCES

- [OS18] Olver, P. J. and Shakiban, C., *Applied Linear Algebra*, 2nd ed., Undergraduate Texts in Mathematics, Springer, 2018.