

## PROBLEM SET 2 (DUE: FEB 13, WED)

1. Do Exercise 1.4.10. in [OS18].
2. Do Exercise 1.4.11. in [OS18].
3. Do Exercise 1.4.21. in [OS18]. (You do not need to write down a rigorous proof, but please show each step of your calculation.)
4. Do Exercise 1.5.2. in [OS18], using Gauss-Jordan elimination.

### REFERENCES

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