

## Exercises for Week 11

The work handed in should be entirely your own. You can consult the textbook and/or the class notes but nothing else. To receive full credit, justify your answer in a clear and logical way. Due Dec. 2.

**Reading.** Read Sections 4.2–4.4 of the textbook carefully.

1. Section 4.3 Exercise 22, 26 (a) (e), 27 (Add a part ( $a_{-1}$ ): How do we interpret the inverse of  $A$  in terms of the classical adjoint matrix? (Use Cramer's rule.) ).
2. Section 4.4 Exercise 1, 5, 6
3. Section 5.1 Exercise 1, 2 (a) (d) (e), 3 (a) (d)