

## Exercises for Week 10

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 Apr. 19.

**Reading.** Read Sections 5.2–5.4 of the textbook carefully.

1. Direct sums: Chapter 1. Section 1.3 Exercise 23, 26.
2. Section 5.2 Exercise 1, 2 (a) (b) (d), 3 (c) (f), 7, 11, 12, 22
3. Section 5.4 Exercise 1, 2 (a) (d) (e), 3, 4, 8, 15, 19, 23, 24.