Homework set 4 - due 10/16/22

Math 444

1. Read the notes on multilinear algebra, Sections 1.1.10, 1.1.11 and 1.1.12.

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2. The following exercises only require a straightforward verification of basic definitions associated to groups. You don't need to write up the solutions, but do work on them for yourself:

   (a) Exercise 1.45

   (b) Exercise 1.46

   (c) Exercise 1.51

3. Do Exercise 1.57.

4. Do Exercise 1.58.

5. Do Exercise 1.59

6. Do Exercise 1.67.