Math 3098: Modern Algebra 1. Instructor: Walton

Homework #5 on §1.11 and 2.1 of Goodman.

Include full statements of problems in your solution set.

Write complete proofs, when proofs are requested.

Don’t copy proofs from the internet!

Be honest—show what you know.

Due: Thursday, September 29, 2016 at the beginning of class **sharp**

(1) [1 point] Exercise 1.11.1 from Goodman.
(2) [1 point] Exercise 1.11.2 from Goodman.
(3) [2 points] Exercise 1.11.6 from Goodman.
(4) [1 point] Exercise 1.11.11 from Goodman.
(5) [1 point] Exercise 2.1.4 from Goodman.
(6) [1 point] Exercise 2.1.6 from Goodman.
(7) [1 point] Exercise 2.1.7 from Goodman.
(8) [2 points] Exercise 2.1.15 from Goodman.

(Bonus*) [+3 points] Exercises 1.11.3 and 1.11.4 from Goodman.
(Bonus*) [+3 points] Exercise 2.1.14 from Goodman.

* Only counts if you attempt problems (1)-(8).