Math 3098: Modern Algebra 1.  Instructor: Walton

Homework #6 on §2.2, 2.3, 2.4 of Goodman
(double assignment = #1-7 part I, #8-15 part II, 10 points each)

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, October 13, 2016 at the beginning of class **sharp**

(1) [1 point] Exercise 2.2.1 from Goodman.

(2) [2 points] Exercise 2.2.9 from Goodman.

(3) [1 point] Exercise 2.2.10 from Goodman.

(4) [1 point] Exercise 2.2.12 from Goodman.

(5) [1 point] Exercise 2.2.13 from Goodman.

(6) [2 points] Exercise 2.2.26 from Goodman.

(7) [2 points] Exercise 2.2.27 from Goodman.

(8) [1 point] Exercise 2.3.6 from Goodman.

(9) [1 point] Exercise 2.4.3 from Goodman.

(10) [1 point] Exercise 2.4.5 from Goodman.

(11) [1 point] Exercise 2.4.6 from Goodman.

(12) [1 point] Exercise 2.4.8 from Goodman.

(13) [2 points] Exercise 2.4.10 from Goodman.

(14) [2 points] Exercise 2.4.14 from Goodman.

(15) [1 point] Exercise 2.4.17 from Goodman.

(Bonus*) [+3 points] Exercise 2.2.23 from Goodman.

(Bonus*) [+2 points] Exercise 2.2.29 from Goodman.

(Bonus*) [+2 points] Exercise 2.4.19 from Goodman.

* Only counts if you attempt problems 10 of the problems above.