

Modern Algebra
MATH 325W – Spring 2015

Monday: Chapter 15: Groups
Wednesday: Chapter 16: Permutation Groups
Friday: Chapter 17: Group Homomorphisms

Week 11

HOMEWORK

Homework #18

due Wednesday, April 15 ~~Tuesday, April 14~~

Ch. 15: #7, 8, 13

For these, either give an example that shows why the set in question isn't a group or quickly prove that it is a group.

AP #1: Let (G, \cdot) be a group with identity element 1, and assume that $g \cdot g = 1$ for all $g \in G$. Prove that G is abelian.

Homework #19

due Friday, April 17

Ch. 16: #2, 4, 10, 12, 16, 18, 26

WRITING ASSIGNMENTS

On writing assignments, part of your grade will reflect the quality of your *style*. Style includes everything from the basic mechanics of writing (complete, grammatically correct sentences with capitalization and proper punctuation) to the conventions of writing mathematics developed in Linear Algebra.

Writing Assignment #10

due Wednesday, April 15

Ch. 15: # 26, 27