

DEPARTMENT OF MATHEMATICS
COLLEGE OF STATEN ISLAND

MTH 339 APPLIED ALGEBRA

Text: Contemporary Abstract Algebra, Joseph A. Gallian (Fifth Edition) 9/2002 JPC
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Lesson	Chapter	Topic	Exercises
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4	2	Definition and Examples of Groups	Table on p. 5 of notes; p. 53-54: 1, 2, 3, 7a
5	2	Elementary Properties of Groups	p. 54-55: 14, 17, 18, 20, 23, 25, 26, 33
6	3	Terminology; Subgroup Tests	p. 67-68: 1 (only Z_{12} , $U(10)$, D_4), 2, 4, 5, 6, 10
7	3	Examples of Subgroups	p. 68-69: 14, 17a (centralizer of 2), 17c, 19, 21, 22, 23, 25
8	4	Properties of Cyclic Groups	p. 82: 1, 2, 3 (what is the relationship between 20 and 10 in Z_{30} ?), 7, 8a, 10
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