Homework 23, pp. 309-310: 2, 3, 4, 5, 8a, b, 12, 13
Ling 409

Answers not given here are in the book.

(2) A commutative (i.e. Abelian) group with 5 elements.
P = \langle\{0,1,2,3,4\}, \mod{5}\rangle
- has 5 elements
- is closed
- is commutative
- is associative
- has an id element (0)
- has inverses

(13) Prove that the set of elements under a Boolean algebra cannot form a group under union.

A: See homework 19. Basically, there are no inverses under union (except for the empty set).