

Math 5310 - Homework 3

From Herstein:

p.29, # 14(a)

p.46, # 1,20,26 (hint: pigeon-hole principle), # 30.

The following two are much harder; do them for extra credit:

p.48, # 28, 29. Hint: for any $a \in G$ consider the function $L_a : G \rightarrow G$ given by $L_a(g) = a * g$. Show L_a is a bijection.