MATH 551 HOMEWORK 6

DUE WEDNESDAY, OCTOBER 26

You are encouraged to work on the homework together, but your final write-up should be your own. Please write down on your homework the name of any collaborators. No late homework will be accepted. "Hungerford I.1.3" means Question 3 in the exercises at the end of Section 1 of Chapter 1.

THIS IS NOT FINAL UNTIL MONDAY 10/17, BUT IS BEING POSTED EARLY TO GIVE SOME STUDY GUIDELINES.

(1) Hungerford II.4.9
(2) Hungerford II.4.14.
(3) Hungerford II.5.7.
(4) Hungerford II.5.9
(5) Hungerford II.5.13
(6) Challenge question: Can you show the only simple groups of order less than 60 are abelian?