MATH 551 HOMEWORK 1

DUE WEDNESDAY, SEPTEMBER 14

You are encouraged to work on the homework together, but your final write-up should be your own. 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.

(1) Hungerford, I.1.3. (p 29)
(2) Hungerford, I.1.13. (p 30)
(3) Hungerford, I.1.14. (p 30)
(4) Hungerford, I.2.3. (p 33)
(5) Hungerford, I.2.4. (p 33) D_4^* is the dihedral group of order 8, which we called D_4.