Math 113, Summer 2015   Prof. Haiman

Problem Set 3

Reminder: Midterm 1 is in class on Thursday, July 9. The midterm will cover all reading and homework assigned from Chapters 1 and 2 of Goodman and the Notes on Euler's function $\phi(n)$.

This assignment is due on Thursday, July 9. It covers class material from July 2–8 and reading from sections 2.5–3.2 of the text.

Section 2.5: 13(a), 14

Section 2.6: 1, 2, 3, 6; and 5, but for D_6, the symmetry group of the hexagon, instead of D_5.

Section 2.7: 3, 4, 6, 8, 11, 12 [Hint: Exercise 2.5.14 may be relevant to 2.7.12]

Section 3.1: 2, 3, 9, 10, 12, 13, 15

Section 3.2: 4, 5, 6 (the question in 3.2.6 is to verify the assertion in the last sentence).