

Math 55—Fall 2012
Homework 9

Part I: Not to be handed in.

5.3: 3(a), 5(a,c), 7(b), 9, 35

6.1: 3, 21, 47

6.3: 9, 13, 19, 21(a,c,f)

6.4: 7, 13 [use the information in Exercise 12], 21

Part II: Problems to hand in. One or two problems will be selected for thorough grading and count 10 points each. Others count 2 points each.

5.3: 12, 30

6.1: 22, 44

6.3: 36, 40

6.4: 14 [hint: consider the ratio $\binom{n}{k+1}/\binom{n}{k}$], 22