

Homework 4
Math 162Q - Fall 2002
Due October 7, 2002

§6.4 #2, 3, 6, 8, 15, 17, 20.

§7.1 #6, 7, 12, 18, 19, 30, 39, 40.

§7.2 #2, 4, 10, 18, 24, 28.

Quest Problems:

1. Problem 64 (only parts a,b,c,d) on page 476 of the textbook.
2. For some reason, you find yourself in a dark room with two trays, one of which holds thousands of Othello chips. The chips are black on one side and white on the other. The other tray is empty. You have been told in advance that there are exactly twenty chips whose white sides are face up, but you have no idea where these chips are as it is completely dark. Can you come up with a foolproof method to make the number of white chips the same on both trays?