Math 5594 Homework 11, due Monday December 4, 2006 PJW

Only hand in the starred questions!

Chapter 14, page 150: 2*, 3*, 4*, 6*, 7*

Extra question:

B* Consider the class function defined on A_4 which takes the value 9 on the identity, 1 on the elements of order 2, and 0 on the elements of order 3. Express this function as a linear combination of characters of A_4 , and show that it is in fact a character.