Math 1030 October 17, 2006 Homework 11

Text problems: 4.5 # 1-47 odds; 4.6 # 1, 3, 5, 9, 15

A club has 26 members, and 10 members are men.

1) How many ways can a president and treasurer be elected?

2) How many ways can a fund-raising committee of 5 be selected?

3) How many ways can a membership committee be selected is there must be three men and three women on this committee?

4) How many possible starting lineups are possible with a team of 26 players, position not important?

5) How many possible batting orders are there from a team of 26 players? (Nine players bat.)

6) How many ways can a license tag be made if there are three letters followed by three numbers, and there cannot

be more than one vowel (a,e,i,o, or u) in the tag?