Math 2001: Homework P9

Due: November 6, 2013

1. From the book do problems:

   (a) 4.3: 7(b–c), 8, 10

   (b) 4.4: 4, 9, 10, 12

2. For each of the following sets, count the number of 4 letter words that one can make using letters from the set.

   (a) The set $\{A, B, C, D, E, F, G, H, I\}$ ($ABCD$ is valid, but $AABC$ is not).

   (b) The multi-set $\{T, E, L, E, P, H, O, N, E\}$ ($EELE$ is valid, but $EEEE$ is not).