Physics 487 Homework 1: Due Feb. 3, 2015

- 1.) Delineate the 6 permutation matrices for the numbers (1,2,3). Show explicitly that $P^n = I$, where P is a permutation matrix, I is the identity matrix and n = 2 or 3. What does this identity mean?
 - $2.) \ Griffiths: \ 5.1, \ 5.4, \ 5.6, \ 5.11, \ 5.13, \ 5.20 \ and \ 5.21$