Phys 402
Spring 2009
Homework 9
Due Friday, May 1, 2009 @ 9 AM

1. Griffiths, 2nd Edition, Problem 5.29

2. Griffiths, 2nd Edition, Problem 5.16

3. Griffiths, 2nd Edition, Problem 5.37. Hint: To calculate the degeneracy of state E_n of the 3D harmonic oscillator you have to answer the question: "How many ways can we add three non-negative integers to get sum n?"