## Phys 402 Spring 2009 Homework 8 Due Friday, April 17, 2009 @ 9 AM

**1.** Griffiths, 2<sup>nd</sup> Edition, Problem 5.22 Remember the Slater determinant! Remember to test whether the wavefunctions are symmetric or anti-symmetric

2. Griffiths, 2<sup>nd</sup> Edition, Problem 5.23 3 particles "weakly interacting" in a harmonic oscillator potential

