Phys 402
Spring 2019
Homework 11
Due Friday, May 10, 2019 @ 9 AM

1. Griffiths, 2ⁿᵈ Edition, Problem 7.1 _or_ Griffiths, 3ʳᵈ Edition, Problem 8.1
     [Variational estimate of ground state energy in linear and quartic potentials]

2. Griffiths, 2ⁿᵈ Edition, Problem 7.2 _or_ Griffiths, 3ʳᵈ Edition, Problem 8.2
                [Variational estimate of harmonic oscillator ground state energy]

3. Griffiths, 2ⁿᵈ Edition, Problem 7.13 _or_ Griffiths, 3ʳᵈ Edition, Problem 8.19
                [Variational estimate of ground state energy of Hydrogen]

4. Griffiths, 2ⁿᵈ Edition, Problem 8.2 _or_ Griffiths, 3ʳᵈ Edition, Problem 9.2
                                [WKB as a perturbation expansion in ℏ]