Physics 4610, Quantum Mechanics
Prof. Schroeder
Spring 2020

Name ______________________

Problem Set 1

(due Monday, January 13, 4:00 pm)

In all problems, be sure to make your reasoning clear and present your solutions in a way that is reasonably legible and well organized. Add some insightful remarks wherever you can. See the syllabus for policies on obtaining assistance from others.

Problem numbers are from *Notes on Quantum Mechanics* unless otherwise indicated.

1. Problem 1.4, page 3.
2. Problem 1.5, page 3.
3. Problem 1.6, page 4.
4. Problem 1.9, page 12.
5. Problem 1.11, page 14.
6. Problem A.13, page 211.
7. Problem 1.13, page 17.

Erwin with his psi can do
Calculations quite a few.
But one thing has not been seen:
Just what does psi really mean?

—Erich Hückel, translated by Felix Bloch