

Quantum Mechanics and Atomic Physics 750:361

Prof. Sean Oh, Fall 2011

HW #2

Due date: Monday, Sept. 19 2011, at the beginning of class

1. Reed, Prob. 2-1

2. Reed, Prob. 2-5

3. Reed, Prob. 2-6

4. Reed, Prob. 2-7

5. Is $\Psi(x,t) = Ae^{i(kx - \omega t)}$ square-integrable for $x \in (-\infty, \infty)$? Explain.