

Physics 4410 - Quantum Mechanics II – Fall 2004
Problem Set 7

Due October 20, 2004 at 11:00 AM in Duane G2B21

Reading assignment: Shankar Chapter 14 and sections 15.1 and 15.2

1. Shankar 14.3.3
2. Shankar 14.3.4
3. Shankar 14.3.7
4. Shankar 14.3.8
5. Shankar 14.4.1
6. Shankar 14.4.3
7. Shankar 15.1.1 - Note that what he calls the “product basis” is what we have previously called the “uncoupled basis.”
8. Shankar 15.1.2, part 1 (read through and understand the other parts too.)
9. Shankar 15.2.2, either part 1 or 2 (your choice!).