

**PHY 6646 - Quantum Mechanics II - Spring 2022**  
**Homework set # 9, due March 23**

1. Derive Eq. (17.3.22) from Eqs. (17.3.12) and (17.3.21) in Shankar's book.
2. Problems 17.3.2, 17.3.3, 17.3.4, 18.2.1, 18.2.2.