

Physics 4243/5243  
Problem Set 5  
Due Monday February 23<sup>rd</sup>

Remember Exam 1 will be on Wednesday February 25<sup>th</sup> in our usual classroom. You may take the exam between 6PM and 10PM. Please plan on starting before 7PM and you may not leave before 7:15PM. The exam will cover the first 11 chapters of Simon.

Problem 1:  
Simon 10.1

Problem 2:  
Simon 11.1 starting with the question: How many different eigenstates are there in the system?

Problem 3:  
Simon 11.2

Problem 4:  
Simon 11.4