

PHYS 451 – HOMEWORK # 3 – DUE TUESDAY, 10/17/2013

1. P4.13 p.126.
2. P4.14 p.126.
3. P4.17 p.127.
4. P4.21 p.128.

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**Key**

Unless otherwise specified, questions and problems are from the course textbook:

Richard W. Robinett  
*QUANTUM MECHANICS (SECOND EDITION)*  
Oxford University Press (2006)  
ISBN-13: 978-0198530978

**P(Q)X.Y p.Z** means “Problem (Question) P(Q)X.Y of Chapter X, page Z.”

Example: Problem P1.2 p.24 = Problem P1.2 of Chapter 1, page 24.

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Quantum Mechanics - Essential Things To Know. Most people hear this term tossed around some time or the other. This post will cover the basic properties and essential things that one should know if they want to comprehend Quantum Mechanics. Quantum mechanics is the branch of physics that deals with the behavior of matter and light on a subatomic and atomic level. It attempts to explain the properties of atoms and molecules and their fundamental particles like protons, neutrons, electrons, gluons, and quarks.