

Problem Set 9
P511—Quantum Mechanics, Fall 2008
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Due Tuesday, November 11, 2008

- 1.) Sakurai, Problem 3.4. Hint: think before you compute.
- 2.) Sakurai, Problem 3.8.
- 3.) Sakurai, Problem 3.13.
- 4.) Sakurai, Problem 2.18 part (d). Previously, we did not complete this problem. This problem should not be that difficult if you use the Baker-Campbell-Hausdorff formula. That formula is available in a number of quantum mechanics books and on Wikipedia.
- 5.) Anyone who is not signed up for the class email list (p511) at denali.physics.indiana.edu/mailmain/listinfo will receive a zero for this homework.