Week #5: Monday, Nov 4 - Monday, Nov 11
Reading: Griffiths: Chapter 8
Homework #5: Due Monday, Nov 11 at 5 PM. (to Yong Zhang)

Tune-up (don’t hand in): Problems 8.5, 8.6, 8.15

Homework (hand in): Problems 6.27, 8.4, 8.7
Although you won’t hand in Problem 8.15, it is a great problem and I want you to understand it thoroughly.

Notes:
Please have a look at recent homework announcements. There is a typo – I wrote:
From the commutation relation for $x$ and $p$, you can show

$$H = \hbar \omega \left( a^\dagger a - \frac{1}{2} \right)$$

In fact,

$$H = \hbar \omega \left( a^\dagger a + \frac{1}{2} \right)$$

Sorry about that.