Phys 3820, Fall 2012
Problem Set #3

1. *Griffiths*, **7.6**

2. *Griffiths*, **7.13**

3. *Griffiths*, **7.14**

4. *Griffiths*, **7.19**

5. *Griffiths*, **8.4**

6. *Griffiths*, **8.7** For this one, you should use the result given in Eq. (8.51), though we didn't derive it:

$$\int_{x_1}^{x_2} p(x)\,dx = (n - \tfrac{1}{2})\pi\hbar \qquad \text{for} \quad n = 1, 2, 3, \ldots$$