

Phys 3820, Fall 2011
Problem Set #3

1. *Griffiths*, 7.6
2. *Griffiths*, 7.13
3. *Griffiths*, 7.19
4. *Griffiths*, 8.4
5. *Griffiths*, 8.7 For this one, you should use the result given in Eq. (8.51), though we didn't derive it:

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