

**Phys 3810, Spring 2011**  
**Problem Set #1**

1. *Griffiths*, 1.3
2. *Griffiths*, 1.7
3. *Griffiths*, 1.14
4. *Griffiths*, 1.18
5. *Griffiths*, 2.4

Note, for all integrals you can use tables or Maple or whatever. But you *should* say where you got the result, e.g. a reference number in a table of integrals if you looked it up.

The Gaussian integrals given in the inside cover of the textbook come up quite a bit! You don't need to reference those.