

**Phys 3820, Fall 2010**  
**Problem Set #5**

1. For 5.0 MeV alpha particles incident on a gold nucleus (assume no recoil) make a rough sketch of  $D(\theta)$  as given by Eq. (11.11)
2. *Griffiths*, 11.3
3. *Griffiths*, 11.6
4. *Griffiths*, 11.9
5. *Griffiths*, 11.19