PH4210 HW 3   **Due: Wednesday Oct. 31, 2007**

1. Pollack & Stump 3.29

2. Pollack & Stump 3.32

3. Pollack & Stump 3.34

4. Consider a finite dipole with charge +q at z = d/2 and charge –q at z = -d/2. What is the quadrupole moment?

5. Pollack & Stump 4.1

6. Pollack & Stump 4.3