1. Pollack & Stump 4.6(b) [5 pts]

2. Pollack & Stump 4.8 (you may want to use cylindrical coordinates and our prior results for the field on the z-axis due to a ring of charge). [10 pts]

3. Pollack & Stump 4.16(a) [10 pts]

4. Pollack & Stump 5.6 (To "describe" the surface charge density, actually compute it on the end plate of fixed potential Vo, and also on one of the grounded side surfaces—take the surface at y = 0.) [20 pts]

5. Pollack & Stump 5.7 [15 pts]

6. Pollack & Stump 5.30. [15 pts]
   Use a computer to evaluate the infinite sums as a number. [extra credit 5 pts]