

PHYS 401: Electricity & Magnetism I  
Due date: Wednesday, March 22, 2023

### **Problem Set #6**

**1) Problem 3.7**

**2) Problem 3.8**

**3) Problem 3.9**

**4) Problem 3.12**

**5) Problem 3.13**

Note: The answer is not particularly simple and is an infinite sum.