All the problems are from the text book by Griffiths.

1. Problem 6.1

2. Problem 6.3; You need to do this only one way, i.e., either (a) or (b). I recommend using eq. (6.3).

3. Problem 6.7

4. Problem 6.9. In this problem and the next, the goal is to make careful sketches that capture qualitative features of the fields.

5. Problem 6.14

6. Problem 6.16

7. Problem 6.17

8. Problem 6.21 (b), (c) and (d). (Part (a) was done in class).