

Homework 2

Due Friday, September 13th at 5:30pm

Read Griffiths Ch. 2.

1. Griffiths Problem 1.50. [Hint: For this problem it is more straightforward to guess the scalar and vector potentials then to use the integral formulas in Appendix B. Of course, you can use any tools from calculus to make these guesses informed, I'm just suggesting that it's easier than working everything out from scratch.]
2. Griffiths Problem 1.51.
3. Griffiths Problem 1.57.
4. Griffiths Problem 1.61. Do any three parts you like. While you don't need to do the last two, make sure you look over them so that you can use the result later.
5. Griffiths Problem 1.62.
6. Griffiths Problem 1.63.
7. Griffiths Problem 1.64.