

Assignment 4
PHGN361

Homework due Feb. 11

1. Chapter 3 problems

5 (this should get you the result at the top of page 120 and then the rest follows from there),

17 (we got the answers in chapter 2),

19,

22 (you should get the following as the last B coefficient $B_5 = \frac{\sigma_0}{\epsilon_0} R^7 / 16$ and the following as the last A coefficient $A_5 = \frac{\sigma_0}{\epsilon_0 R^4} \frac{1}{16}$),