Phys 208 – Homework (HW20) – SP13 Due Friday, April 5, 2013

Read Chapter 12 – Sections 1 through 3

Problems: 7.12.35, 7.12.36, 7.13.18, 12.1.1, 12.3.2, 12.3.3

Answer: 12.3.2 $xe^x + 10e^x$

Phys 208 – Homework (HW21) – SP13 Due Monday, April 8, 2013

Read Chapter 12 – Sections 4 through 6

Problems: 12.2.1 (You do not have to check your results with a computer.), 12.4.2, 12.4.4,
                12.5.3 (Only find P_2 and P_3), 12.5.9, 12.5.11, 12.6.4

Phys 208 – Homework (HW22) – SP13 Due Wednesday, April 10, 2013

Read Chapter 12 – Sections 7 through 10

Problems: 12.7.4, 12.7.5, 12.7.6,
                12.8.2, 12.8.3, 12.8.6,
                12.9.1 (You only need to find the first three [3] nonzero terms in the expansion.),
                12.9.10

Answers: 12.8.3 $\dfrac{x}{\sqrt{2}} e^{-x/2}$ 12.9.10 $2P_2 + P_1$