

PHY 3513 Fall 1998 – Homework 7

Due at the start of class on Friday, October 16.

Answer all questions, including any additions to textbook problems. Please explain your reasoning and show all working, write neatly and remember to include your name on the front page of your answers.

In each of the problems below, you should assume that the gas is what Callen calls a “simple ideal gas.”

1. Callen Problem 3.4-3.
2. Callen Problem 3.4-4.
3. Callen Problem 3.4-5.
4. Callen Problem 3.4-8.