

Physics 410 - 2002

Thermal Physics

Problem Set 11

The solutions are due on **April 17**

1. Chapter 8, p. 258, problem 3 (6 pt)
2. Chapter 8, p. 258, problem 6 (5 pt)
3. Chapter 8, p. 259, problem 10 (6 pt) Expansion into a vacuum is irreversible, pressure is equal to zero.

The problems are from Kittel & Kroemer, *Thermal Physics*, 2nd edition, (Freeman, NY 1980).