## Department of Physics, University of Maryland, College Park, MD 20742-4111

Physics 404 HOMEWORK ASSIGNMENT #3 Spring 2008

**Due date:** Tuesday, Feb. 19 **Deadline:** Thursday, Feb. 21

B means a problem in Blundell & Blundell's text; GT means a problem in Gould & Tobochnik.

- 1. B 7.1 Assume that the residual gas is  $N_2$  and that you are at romm temperature. Express your answer in Pa, mbar, and Torr.
- 2. B 7.4
- 3. B 7.5
- 4. B 7.8
- 5. B 8.1
- 6. B 8.2

Problem B 8.3 is also interesting. It is worth your attention, but is not assigned.