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

Physics 404

## **HOMEWORK ASSIGNMENT #8**

**Spring 2007** 

**Due date:** Thursday, April 19 **Deadline:** Tuesday, April 24

S means a problem in Schroeder's text; GT means a problem in Gould & Tobochnik.

- 1. S6.12
- 2. S6.20 a-d
- 3. S6.31
- 4. S6.39 (You will need to evaluate the integral numerically, find its asymptotic form (cf. problem B 5 (and B 4), or rewrite it in terms of an error function erf or erfc by integrating by parts.)
- 5. S6.41
- 6. S6.43
- 7. S6.48