Math 121A   Spring 2009
Homework#8 Evaluation of definite integrals by use of the residue theorem.

1. Evalute the integral $\int_{-\infty}^{\infty} \frac{\sin(x)}{x} dx$. (You can look at the book page 690).

2. Page 699 of the M.L. Boas book. Problems: 1, 3, 6, 10, 11, 12, 13, 15, 17, 19, 20.

- **Remarks**
  - You are very much encouraged to work with other students. However, submit your work alone.
  - I will be happy to help you with the homeworks. Please visit me if you want to work with me.

Good luck!