Homework 2

Due Date: April 26, 2006 Points: 100

- 1. (20 points) Text, §3.9, problem 4.
- 2. (10 points) Text, §3.9, problem 5.
- 3. (20 points) Prove that $\tau(\sigma(\mathbf{X}) = \tau(\mathbf{X}))$ using Definition 3—21.
- 4. (10 points) Text, §3.9, problem 7.
- 5. (20 points) Text, §3.9, problem 9.
- 6. (5 points) Text, §4.11, problem 1.
- 7. (15 points) Text, §4.11, problem 10.

Extra Credit

1. (30 points) Text, §3.9, problem 10.