

## Homework 3

Due Date: November 17, 2006

Points: 100

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### Regular Problems

1. (20 points) text, exercise 5.2
2. (20 points) text, exercise 6.8
3. (20 points) text, exercise 9.6
4. (20 points) text, exercise 9.10
5. (20 points) text, exercise 9.16

### Extra Credit Problems

1. (10 points) text, exercise 5.3 (you need not give a mathematical proof; a strong, correct argument will suffice)
2. (30 points) text, exercise 9.17