| CS/Math 240: Intro to Discrete Math | $3 / 27 / 2011$ |
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| Grading Key for Homework 6 |  |
| Instructor: Dieter van Melkebeek |  |

## Problem 1 (7 points)

- 1 pt for stating and proving each relationship


## Problem 2 (6 points)

- Each subdivision carries 3 points


## Problem 3 (7 points)

- Subdivision (a) carries 2 points
- Subdivision (b) carries 5 points


## Common Mistakes

 which led to this expression being out of order in comparison to the rest of the functions.

- For problem 3, some students claimed $\mathrm{c}=1$ and proved an upper bound, but then only proved a lower bound of $\mathrm{c}=0$.

