

**ECEn 487 - Introduction to Digital Signal Processing**

**Winter 2013**

Homework 2

Due at midnight on Tuesday, January 22, 2013.

All problems come from *Discrete-Time Signal Processing* by Alan V. Oppenheim and Ronald W. Schaffer unless otherwise specified.

1. Problem 3.3 (answer at back of book)
2. Problem 3.30
3. Problem 3.54 (remember that  $(ab)^* = a^*b^*$ )
4. Problem 3.37
5. Problem 3.42
6. Problem 3.44