

**Numerical Analysis II: AMSC/CMSC 667**  
**Homework 5, due Thursday, 11 April 2013**

- (1) Do the two exercises on page 28 in the notes.
- (2) Do the exercise on page 34 in the notes.
- (3) Prove Theorem 6.3 in the notes.
- (4) Do the exercise on page 40 in the notes.
- (5) Prove Lemma 7.2 in the notes.