

**CSCI-GA.2420-001/MATH-GA.2010-001**  
**Numerical Methods I Fall 2013**  
**December 3, 2013**

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**Homework set 7: Due Friday December 13 at 12 noon.**

Homework should be given to me in class or put under my office door.  
Do not put it in my mail box.

In all cases, discuss your findings.

1. Implement and test the divide-and-conquer algorithm of Lecture 30 in Trefethen-Bau.
2. Problem 33.2 in Trefethen-Bau.
3. Problem 35.3 in Trefethen-Bau.
4. Problem 35.5 in Trefethen-Bau.
5. Problem 36.1 in Trefethen-Bau.
6. Problem 32.2 in Trefethen-Bau.
7. Problem 6 of the old final available on the course web site.