

AMCS 602  
Problem set 8 due November 15, 2016  
Dr. Epstein

**Reading:** Page numbers below refer to *Numerical Linear Algebra* by Trefethen and Bau.

**Standard problems:** The following problems should be done, but do not have to be handed in.

1. Page 275, problem 35.4.
2. Page 275, problem 35.5.
3. Page 292, problem 37.3.

**Homework assignment:** The solutions to the following problems should be carefully written up and handed in.

1. Page 291, problem 37.1.
2. Page 292, problem 37.3.
3. Page 292, problem 37.4.
4. Page 292, problem 37.5.
5. Page 302, problem 38.1.
6. Page 302, problem 38.2.
7. Page 302, problem 38.3.
8. Page 302, problem 38.4.
9. Page 302, problem 38.5.
10. Page 302, problem 38.6