

AMCS 602  
Problem set 9 due November 22, 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 188, problem 24.1.
2. Page 201, problem 26.3(b).
3. Page 209, problem 27.1.

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

1. Page 189, problem 24.2 (b,c).
2. Page 189, problem 24.3.
3. Page 189, problem 24.4.
4. Page 194, problem 25.1.
5. Page 195, problem 25.2.
6. Page 200, problem 26.1.
7. Page 209, problem 27.2.
8. Page 209, problem 27.3.