The following problems, unless specifically noted, refer to the exercises in the book  $Numerical\ Linear\ Algebra$ , by Lloyd N. Trefethen and David Bau, III, SIAM 1997.

## ${\bf Homework}~{\bf 1}$

Reading: Lectures 1-2.

Problems: Exercises 1.1; Exercise 2.1, 2.3, 2.6.