MATH 307

Individual Homework 20

Instructions: Read textbook pages 106 to 111 before working on the homework problems. Show all steps to get full credits.

1. Let
$$A = \begin{pmatrix} 3 & 2 & 1 \\ 6 & 6 & 3 \\ 3 & 0 & -1 \end{pmatrix}$$
, find LU decomposition of A . Note L is a lower triangular matrix with 1 on the diagonals so its determinant is 1.