Attendance Quiz for Lecture 11

NAME: (print!)	Section:

E-MAIL ADDRESS: (print!)

1. a) Find an LU decomposition of the following matrix

2	-1	1]
4	-1	4
$\lfloor -2 \rfloor$	1	2

b) Use the answer to part a) to solve the following system of linear equations:

$$2x_1 - x_2 + x_3 = -1$$
$$4x_1 - x_2 + 4x_3 = -2$$
$$-2x_1 + x_2 + 2x_3 = -2$$