MATH 260, Homework 3, Spring '14 Due: January 31 February 7, 2014 Honor Code:

Name:

1) Consider the following linear system.

- a) (4 pts) Write the system in $\mathbf{A}\vec{\mathbf{x}} = \vec{\mathbf{b}}$ form.
- b) (4 pts) Write the augmented matrix for the system.
- c) (12 pts) Use elementary row operations to convert the augmented matrix for the system into REF. Specify the operations used at each step.

d) (4 pts) Write th	ne linear system that o	corresponds to the R	EF augmented matr	ix you found in part (c).	
				with the bottom equation to get	l