Math 2	60		
Spring	2013,	Term	122

Quiz 3 Section 03

Name:	
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Instructions: Show Your Work!

 $(10^{\rm pts})$ 1. Solve the system by Gaussian Elimination Method (use elementary row operations to transform the augmented coefficient matrix to echelon form then use back substitution)

$$3x_1 + 8x_2 + 3x_3 = 2$$

$$x_1 + 3x_2 + 2x_3 = 3$$

$$\begin{array}{ccccccc} 3x_1 & +8x_2 & +3x_3 & = & 2 \\ x_1 & +3x_2 & +2x_3 & = & 5 \\ 2x_1 & +7x_2 & +4x_3 & = & 8 \end{array}$$