MATH 54 – QUIZ 1

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Instructions:	You have	10	minutes	to	take	this	quiz,	for	a	total	of	1(

points. Good luck, and remember: I've got one less row-reduction, one less row-reduction...

1. (5 points) Using the **reduced row-echelon form**, find the general solution of the linear system corresponding to the following **augmented** matrix.

$$\begin{bmatrix} 2 & -3 & 5 & 5 \\ 1 & -2 & -1 & -5 \\ 3 & -4 & 11 & 15 \end{bmatrix}$$

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Name:____

Date: Thursday, January 29, 2015.

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2. (5 points) For what c is $\begin{bmatrix} c \\ 0 \\ -c \end{bmatrix}$ in Span $\left\{ \begin{bmatrix} 1 \\ 0 \\ 1 \end{bmatrix}, \begin{bmatrix} 1 \\ -1 \\ 2 \end{bmatrix}, \begin{bmatrix} c \\ 1 \\ 1 \end{bmatrix}, \begin{bmatrix} 1 \\ 2 \\ -1 \end{bmatrix} \right\}$?