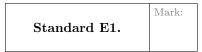
Name:	
J#:	Dr. Clontz
Date:	

MASTERY QUIZ DAY 6

Math 237 – Linear Algebra Fall 2017

Version 2

Show all work. Answers without work will not receive credit. You may use a calculator, but you must show all relevant work to receive credit for a standard.



Write a system of linear equations corresponding to the following augmented matrix.

$$\begin{bmatrix} 3 & -1 & 0 & 1 & 5 \\ -1 & 9 & 1 & -7 & 0 \\ 1 & 0 & -1 & 0 & -3 \end{bmatrix}$$

		Mark:
Standard	l E3.	
Startaar	. 20.	

Find the solution set for the following system of linear equations.

$$2x_1 + 3x_2 - 5x_3 + 14x_4 = 8$$
$$x_1 + x_2 - x_3 + 5x_4 = 3$$

Standard E4.	Mark:
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Solve the following linear system.

$$3x + 2y + z = 0$$
$$x + y + z = 0$$