

Name:
J#:
Date:

Dr. Clontz

# MASTERY QUIZ DAY 6

Math 237 – Linear Algebra

## Version 4

Fall 2017

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.

<b>Standard E1.</b>	Mark:
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Write an augmented matrix corresponding to the following system of linear equations.

$$\begin{aligned}x_1 + 4x_3 &= 1 \\x_2 - x_3 &= 7 \\x_1 - x_2 + 3x_3 &= -1\end{aligned}$$

<b>Standard E3.</b>	Mark:
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Find the solution set for the following system of linear equations.

$$\begin{aligned}2x_1 + 3x_2 - 5x_3 + 14x_4 &= 8 \\x_1 + x_2 - x_3 + 5x_4 &= 3\end{aligned}$$

<b>Standard E4.</b>	Mark:
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Solve the following linear system.

$$\begin{aligned} 3x + 2y + z &= 0 \\ x + y + z &= 0 \end{aligned}$$

<b>Additional Notes/Marks</b>	
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