

Name:
J#:
Date:

Dr. Clontz

# MASTERY QUIZ DAY 10

Math 237 – Linear Algebra

## Version 2

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.

$$x + 3y - 4z + w = 5$$

$$3x + 9y + z - 7w = 0$$

$$x - z + w = 1$$

<b>Standard E3.</b>	Mark:
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Solve the system of equations

$$-3x + y = 2$$

$$-8x + 2y - z = 6$$

$$2y + 3z = -2$$

<b>Standard E4.</b>	Mark:
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Find a basis for the solution set of the system ...

<b>Standard V1.</b>	Mark:
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Determine if ... is a vector space