

Name:
J#:
Date:

Dr. Clontz

# MASTERY QUIZ DAY 8

Math 237 – Linear Algebra

## Version 5

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:
---------------------	-------

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

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

$$3x + 9y + z = 0$$

$$x - z = 1$$

<b>Standard E3.</b>	Mark:
---------------------	-------

Solve the system of linear equations.

$$2x + y - z + w = 5$$

$$3x - y - 2w = 0$$

$$-x + 5z + 3w = -1$$

<b>Standard E4.</b>	Mark:
---------------------	-------

Find a basis for the solution set of the system ...

<b>Standard V1.</b>	Mark:
---------------------	-------

Determine if ... is a vector space