Name:	
J#:	Dr. Clontz
Date:	

MASTERY QUIZ DAY 6   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.

| **Standard E1.** | Mark: |

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

$$x + 3y - 4z = 5$$
$$3x + 9y + z = 0$$
$$x - z = 1$$

| **Standard E3.** | Mark: |

Solve the system of equations

$$x + 3y - 4z = 5$$
$$3x + 9y + z = 2$$

Standard E4.

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

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

Additional Notes/Marks