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.

E1.   Write an augmented matrix corresponding to the following system of linear equations

$$x_1 + 4x_3 = 1$$
$$x_2 - x_3 = 7$$
$$x_1 - x_2 + 3x_3 = -1$$

E3.   Solve the system of equations

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

E4.   Find a basis for the solution set of the system ...

V1.   Determine if ... is a vector space

Solution:

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E1: [ ]   **E3:** [ ]   **E4:** [ ]   **V1:** [ ]