MASTERY QUIZ DAY 10   Math 237 – Linear Algebra
                                                                  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.

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

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

2. [E3] Solve the system of equations

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

3. [E4] Find a basis for the solution set of the system ...

4. [V1] Determine if ... is a vector space

Solution:

☐

Standard E1 score: ⬚

Standard E3 score: ⬚

Standard E4 score: ⬚

Standard V1 score: ⬚