**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.

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

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

**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:** [　]