Due: August 31, 2015

Instructions. Do each problem showing your work. Answers alone are not sufficient. Label each problem clearly, and write neatly, in a logical sequence.

Do the following problems from the text:

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Solve the following systems of linear equations.

$$x_1 + 2x_2 + 3x_3 = 2$$

1.
$$2x_1 + 5x_2 + 8x_3 = 2$$

 $5x_1 + 8x_2 + 11x_3 = 14$

$$2x_1 + x_2 - x_3 = 3$$

$$2x_1 + 3x_2 - x_3 = 1$$

$$3. \quad x_1 - 2x_2 + 6x_3 = 11$$

$$5x_1 + x_2 - x_3 = 12$$

$$x_1 + 2x_2 - 3x_3 + 2x_4 = 2$$

$$4. \quad 2x_1 + 5x_2 - 8x_3 + 6x_4 = 5$$

$$3x_1 + 4x_2 - 5x_3 + 2x_4 = 4$$