

MAT 211: Linear Algebra
Problem Set 3

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Problem 1. (5 points) Solve the following system of linear equations:

$$x + 2y + 2z = 5,$$

$$2x + y + z = 4,$$

$$2x + 2y + z = 3.$$

Problem 2. (5 points) Solve the following system of linear equations:

$$\left[\begin{array}{ccc|c} 1 & -2 & 1 & 2 \\ 2 & -3 & 3 & 1 \\ -2 & 2 & -4 & 2 \end{array} \right]$$

Due Date: Thursday, September 23