

Name: _____

Math 2250, Fall 2015, Quiz 1

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1. Convert to reduced row-echelon form:

$$\left[\begin{array}{cccc|c} 2 & 2 & -2 & 2 & 2 \\ 1 & 1 & 1 & 5 & 3 \\ 0 & 0 & 2 & 4 & 2 \end{array} \right]$$

2. Write the general solution to

$$\left[\begin{array}{cccc|c} 1 & 0 & -3 & 0 & 7 \\ 0 & 1 & 2 & 0 & 5 \\ 0 & 0 & 0 & 1 & 3 \end{array} \right]$$

in the form

$$\begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \dots$$
