

# Math 4133 - Linear Algebra

Quiz #1 - 2014.01.17

Name: \_\_\_\_\_

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1. The following augmented matrix represents a system of equations now in reduced form. Write down the solution to this system of equations.

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

2. State the dimension of the solution to the following system of equations.

$$\begin{cases} 3x - 2y = -1 \\ -9x + 6y = 3 \end{cases}$$