

Sample Quiz 1, MATH 54, Fall 2014

Name: _____

Section: _____

1. Find all solutions of the following linear system:

$$-2x_1 + 2x_2 = 4$$

$$x_1 - x_2 = -2$$

2. For what numbers a, b, c is the following matrix in row echelon form (REF) or reduced row echelon form (RREF)?

$$\begin{bmatrix} 0 & a & 1 & b & 0 \\ 0 & 0 & 0 & c & 0 \\ 0 & 0 & 0 & 0 & a \end{bmatrix}$$

REF:

RREF: