Quiz 1; Friday, January 27 MATH 54 with Prof. Sethian GSI: Alex Carney

## Student name:

You have 15 minutes to complete the quiz. Calculators are not permitted.

1. (4 points) Write down two augmented matrices in row echeleon form, the first of which represents a consistent system with two free variables, and the second of which is inconsistent.

2. (2 points) Are the vectors

$\lceil 2 \rceil$	1	1		3		$\left\lceil 5 \right\rceil$
2	,	2	,	4	,	4
1		3		4		0

(a)linearly independent?

(b)Is their span all of  $\mathbb{R}^3$ ?