

Math 415 ADG**Name:****Quiz # 4**

February 28, 2014

No notes, electronic devices, or interpersonal communication allowed. Show work to get credit. Use the methods from this class.

Determine whether the following vectors are linearly independent.

$$\begin{bmatrix} 5 \\ -4 \\ -1 \end{bmatrix}, \quad \begin{bmatrix} 1 \\ 2 \\ -3 \end{bmatrix}, \quad \begin{bmatrix} -1 \\ 2 \\ -1 \end{bmatrix}$$