Name:
J#:
Date:

Dr. Clontz

MASTERY QUIZ DAY 13 Math 237 – Linear Algebra
Version 4 Fall 2017

Show all work. Answers without work will not receive credit. You may use a calculator, but you must show all relevant work to receive credit for a standard.

Standard V2.	Mark:

Determine if $\begin{bmatrix}1\\4\\3\end{bmatrix}$ is a linear combination of the vectors $\begin{bmatrix}3\\0\\-1\end{bmatrix}$, $\begin{bmatrix}1\\-1\\4\end{bmatrix}$, and $\begin{bmatrix}5\\1\\-6\end{bmatrix}$.

Standard S1.	Mark:

Determine if the set of matrices $\left\{\begin{bmatrix}3&-1\\0&4\end{bmatrix},\begin{bmatrix}1&2\\-2&1\end{bmatrix},\begin{bmatrix}3&-8\\6&5\end{bmatrix}\right\}$ is linearly dependent or linearly independent.

Additional Notes/Marks	