Name:
J#:
Date:

Dr. Clontz

MASTERY QUIZ DAY 13 Math 237 – Linear Algebra
Version 5 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 $\begin{bmatrix}0\\0\\2\end{bmatrix}$ can be written as a linear combination of the vectors $\begin{bmatrix}-1\\-9\\15\end{bmatrix}$ and $\begin{bmatrix}1\\5\\-5\end{bmatrix}$.

Standard S1.	Mark:

Determine if the set of vectors $\left\{\begin{bmatrix}-3\\8\\0\end{bmatrix},\begin{bmatrix}1\\2\\2\end{bmatrix},\begin{bmatrix}0\\-1\\3\end{bmatrix}\right\}$ is linearly dependent or linearly independent

Additional Notes/Marks	