| Name: | |
|-------|------------|
| J#: | Dr. Clontz |
| Date: | |

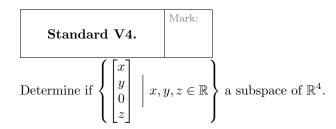
MASTERY QUIZ DAY 17

Math 237 – Linear Algebra Fall 2017

Version 1 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 V3.

Mark:
$$\begin{bmatrix} 2 \\ 0 \\ -2 \\ 0 \end{bmatrix}, \begin{bmatrix} 3 \\ 1 \\ 3 \\ 6 \end{bmatrix}, \begin{bmatrix} 0 \\ 0 \\ 1 \\ 1 \end{bmatrix}, \text{ and } \begin{bmatrix} 1 \\ 2 \\ 0 \\ 1 \end{bmatrix} \text{ span } \mathbb{R}^4.$$



Standard S2.

Mark:

Determine if the set $\left\{ \begin{bmatrix} 1\\1\\-1 \end{bmatrix}, \begin{bmatrix} 3\\-1\\1 \end{bmatrix}, \begin{bmatrix} 2\\0\\-2 \end{bmatrix} \right\}$ is a basis of \mathbb{R}^3

Additional Notes/Marks