

Name:
J#:
Date:

Dr. Clontz

MASTERY QUIZ DAY 13

Math 237 – Linear Algebra

Version 3

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:
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Determine if $\begin{bmatrix} 4 \\ -1 \\ 6 \\ -7 \end{bmatrix}$ belongs to the span of the set $\left\{ \begin{bmatrix} 2 \\ 0 \\ -1 \\ 5 \end{bmatrix}, \begin{bmatrix} 4 \\ -1 \\ 4 \\ 3 \end{bmatrix} \right\}$.

Standard S1.	Mark:
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Determine if the set of polynomials $\{x^3 - 8x, x^3 + 2x^2 + 2, -x^2 + 3\}$ is linearly dependent or linearly independent

Additional Notes/Marks	
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