Name:	
J#:	Dr. Clontz
Date:	

Math 237 – Linear Algebra Fall 2017

Version 1

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 $\begin{bmatrix} 4 \\ -1 \\ 6 \\ -7 \end{bmatrix}$ below	ngs to th	e span of the se	$\left\{ \right.$	$\begin{bmatrix} 2\\0\\-1\\5 \end{bmatrix},$	$\left[\begin{array}{c} 4 \\ -1 \\ 4 \\ 3 \end{array} \right] \right\}$

Standard S1. $\begin{bmatrix} 1\\1\\-1 \end{bmatrix}, \begin{bmatrix} 3\\-1\\1 \end{bmatrix}, \text{ and } \begin{bmatrix} 2\\0\\-2 \end{bmatrix} \text{ are linearly dependent or linearly independent}$

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Version 2 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:					
Deter	rmine if $\begin{bmatrix} 0 \\ -1 \\ 2 \\ 6 \end{bmatrix}$ or	can be writte	en as a linear combination of the vectors	$\begin{bmatrix} 3 \\ -1 \\ -1 \\ 0 \end{bmatrix}$	and	$\begin{bmatrix} -1\\0\\1\\2 \end{bmatrix}$	

Standard S1. $\begin{bmatrix} 1 \\ 1 \\ -1 \end{bmatrix}, \begin{bmatrix} 3 \\ -1 \\ 1 \end{bmatrix}, \text{ and } \begin{bmatrix} 2 \\ 0 \\ -2 \end{bmatrix} \text{ are linearly dependent or linearly independent}$

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Version 3

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\\1\\-2\\1 \end{bmatrix} $ can l	oe writte	en as a linear combination of the vectors	$\begin{bmatrix} 5\\2\\-3\\2 \end{bmatrix}$,	$\begin{bmatrix} 3 \\ 1 \\ 1 \\ 0 \end{bmatrix}$, and	$\begin{bmatrix} 8 \\ 3 \\ 5 \\ -1 \end{bmatrix}.$	

Standard S1.

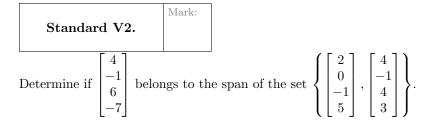
Determine if the set of vectors $\left\{ \begin{bmatrix} -3 \\ 8 \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ 2 \\ 2 \end{bmatrix}, \begin{bmatrix} 0 \\ -1 \\ 3 \end{bmatrix} \right\}$ is linearly dependent or linearly independent

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Version 4

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.



	Mark:
Standard S1.	

Determine if the set of polynomials $\{x^2 + x, x^2 + 2x - 1, x^2 + 3x - 2\}$ is linearly dependent or linearly independent

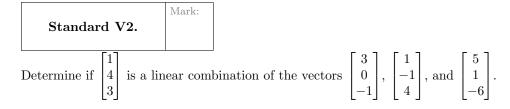
|--|

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Date:	

Math 237 – Linear Algebra Fall 2017

Version 5

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.



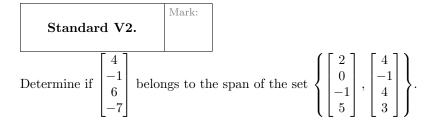
Standard S1. $\begin{bmatrix} 1 \\ 0 \\ 1 \end{bmatrix}, \begin{bmatrix} 1 \\ 2 \\ -1 \end{bmatrix}, \begin{bmatrix} 1 \\ 3 \\ -2 \end{bmatrix}$ is linearly dependent or linearly independent

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Math 237 – Linear Algebra Fall 2017

Version 6

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 S1.	Mark:
Standard S1.	

Determine if the set of polynomials $\{x^2 + x, x^2 + 2x - 1, x^2 + 3x - 2\}$ is linearly dependent or linearly independent

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