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.

Standar	d '	V2.	Mark:							
Determine if	$\begin{bmatrix} 1 \\ 4 \\ 3 \end{bmatrix}$	is a lin	ear com	bination of the vectors	$\begin{bmatrix} 3 \\ 0 \\ -1 \end{bmatrix}$	,	$\begin{bmatrix} 1 \\ -1 \\ 4 \end{bmatrix}$	, and	$\begin{bmatrix} 5 \\ 1 \\ -6 \end{bmatrix}$	

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 ${\bf Version} \ {\bf 2}$ 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.

Standar	d <b>V2.</b>	Mark:							
Determine if	$\begin{bmatrix} 0\\1\\-2\\1 \end{bmatrix} can$	be 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	$\begin{bmatrix} 8 \\ 3 \\ 5 \\ -1 \end{bmatrix}$	].

Additional Notes/Marks	
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#### MASTERY QUIZ DAY 11 Version 3

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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 7	V2.	Mark:					
Determine if $\begin{bmatrix} 0 \\ -2 \\ 6 \end{bmatrix}$	<sup>2</sup>	e writte	en as a linear combination of the vector	$\operatorname{rs} \begin{bmatrix} 3 \\ -1 \\ -1 \\ 0 \end{bmatrix}$	and	$\begin{bmatrix} -1\\0\\1\\2 \end{bmatrix}$	•

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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.

Standar	m d~V2	2.	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	$\begin{bmatrix} 8 \\ 3 \\ 5 \\ -1 \end{bmatrix}$	].

Additional Notes/Marks	
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# $\begin{array}{c} \textbf{MASTERY QUIZ DAY 11} \\ \textbf{Version 5} \end{array}$

Math 237 – Linear Algebra 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.

Standar	m d~V2	2.	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	$\begin{bmatrix} 8 \\ 3 \\ 5 \\ -1 \end{bmatrix}$	].

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 ${\bf Version} \,\, {\bf 6}$ 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 V2.	Mark:						
Determine if $\begin{bmatrix} 0\\1\\-2\\1 \end{bmatrix}$ ca	an be writte	n as a linear combination of the vectors	$\begin{bmatrix} 5\\2\\-3\\2 \end{bmatrix}$	, [	$\begin{bmatrix} 3 \\ 1 \\ 1 \\ 0 \end{bmatrix}$ , and	$\begin{bmatrix} 8 \\ 3 \\ 5 \\ -1 \end{bmatrix}$	

|--|--|--|