Name:	
J#:	Dr. Clontz
Date:	

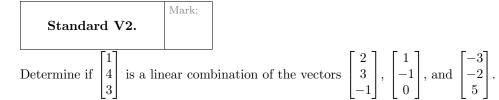
## MASTERY QUIZ DAY 11

Math 237 – Linear Algebra Fall 2017

Version 4

Solution:

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.



[5]

RREF 
$$\left( \begin{bmatrix} 2 & 1 & -3 & 1 \\ 3 & -1 & -2 & 4 \\ -1 & 0 & 5 & 3 \end{bmatrix} \right) = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{bmatrix}$$

Since this system has a solution,  $\begin{bmatrix} 1\\4\\3 \end{bmatrix}$  is a linear combination of the three vectors.