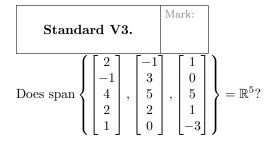
Name:	
J#:	Dr. Clontz
Date:	

## MASTERY QUIZ DAY 17

Math 237 – Linear Algebra Fall 2017

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.



	Mark:
Standard V4.	

Let W be the set of all polynomials of the form  $ax^3 + bx$ . Determine if W is a subspace of  $\mathcal{P}^3$ .

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