Name:	
J#:	Dr. Clontz
Date:	

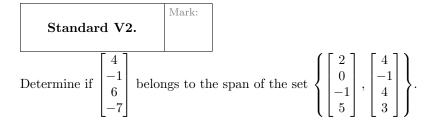**MASTERY QUIZ DAY 13**   Math 237 – Linear Algebra
Version 6   Fall 2017

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:

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:

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

Additional Notes/Marks	