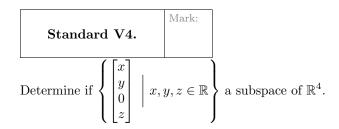
Name:	
J#:	Dr. Clontz
Date:	

MASTERY QUIZ DAY 17

Math 237 – Linear Algebra Fall 2017

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.

Determine if the vectors
$$\begin{bmatrix} 1\\1\\2\\1 \end{bmatrix}$$
, $\begin{bmatrix} 3\\3\\6\\3 \end{bmatrix}$, $\begin{bmatrix} 3\\-1\\3\\-2 \end{bmatrix}$, and $\begin{bmatrix} 7\\-1\\8\\-3 \end{bmatrix}$ span \mathbb{R}^4 .



Standard S2.

Mark:

Determine if the set $\{x^3 - x, x^2 + x + 1, x^3 - x^2 + 2, 2x^2 - 1\}$ is a basis of \mathcal{P}_3

Additional Notes/Marks