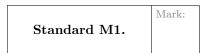
Name:	
J#:	Dr. Clontz
Date:	

## MASTERY QUIZ DAY 26

Math 237 – Linear Algebra Fall 2017

## Version 4

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.



Let

$$A = \begin{bmatrix} 2 & 3 \\ 0 & 1 \end{bmatrix} \qquad B = \begin{bmatrix} 3 & 1 & 0 \end{bmatrix} \qquad C = \begin{bmatrix} 3 & -1 & 4 \\ 1 & 0 & 2 \end{bmatrix}$$

Exactly one of the six products AB, AC, BA, BC, CA, CB can be computed. Determine which one, and compute it.

Standard M2.	Ma	rk:			
	Гз	1	0	4 T	I
Determine if the matrix	$\begin{bmatrix} 3 \\ 2 \\ 0 \end{bmatrix}$	1 1	1 1	1 -1	is invertible.
	1	-2	0	3	

Standard M3.

Mark:

Find the inverse of the matrix  $\begin{bmatrix} 3 & 1 & 3 \\ 2 & -1 & -6 \\ 1 & 1 & 4 \end{bmatrix}.$ 

 ${\bf Additional\ Notes/Marks}$