Precal Spring 2022: Quiz #2		
Name:		
March 21, 2022		
1. Use matrices A and B below:		
A =	B =	
$\begin{bmatrix} 5 & -2 & 0 \\ 0 & 3 & 1 \\ 2 & 3 & 1 \end{bmatrix}$	$\begin{bmatrix} 3 & 1 & 1 \\ 1 & -2 & 1 \\ 1 & 1 & 2 \end{bmatrix}$	
Find the value of $(2A \times B) - B$:		

b)	Can you multiply A and B ? Explain why or why not in a complete sentence.				
	endparts				
(c)	Solve the system of linear equations to the right.				
	$\begin{cases} 7x - 5y = -2\\ -4x + 3y = 1 \end{cases}$				
	Be sure to: i. Convert to $AX = B$ ii. Find A^-1 iii. Solve for variables using $X = A^{-1}B$ iv. show all work!				

ou can use this space for extra work!					