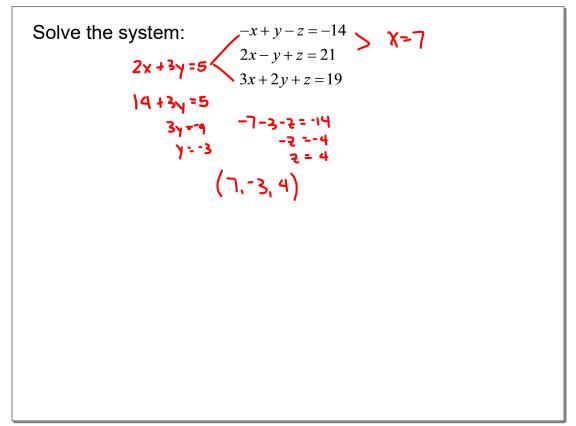
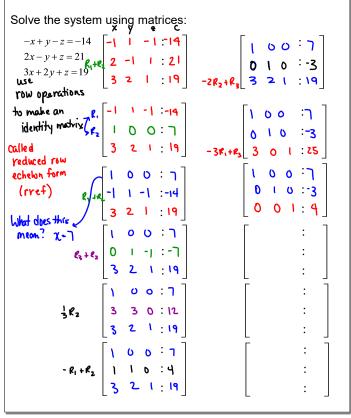


Feb 2-9:51 PM

# 7.4 Matrices andSystems of Equations



May 21-6:21 AM



May 3-10:23 AM

WHEW!! Now the good news...we will only be solving matrices using the calculator!

2nd x<sup>-1</sup> (Matrix) over to edit, enter

choose [A], [B], [C], etc, enter

Enter the order of the matrix

Enter the coefficients and constant

Return to home screen

2nd matrix, math, [A] rref, enter

May 11-7:53 AM

# Ex 2 Write the system of linear equations

represented by the augmented matrix, then solve. 
$$\begin{bmatrix} 1 & -2 & 1 & : & -6 \\ 0 & 1 & -5 & : & 16 \\ 0 & 0 & 1 & : & -3 \end{bmatrix} \qquad \begin{array}{c} \chi - 2 \gamma + 2 = -6 \\ \gamma - 5 \approx -16 \\ 2 = -3 \end{array}$$

Yow echelon form

back substitution 
$$\rightarrow y-5(-3)=16$$
  
 $y+15=16$   
 $y=1$   
 $(-1,1,-3)$   
 $x-2(1)-3=-6$   
 $y=-1$ 

## HOMEWORK



p 522 41, 43, 53, 54, 55, 56, 60 Solve #55 and #56 algebraically and check with a calculator

Feb 2-9:51 PM