Take Home Quiz Jan 19

Name:	Due Jan 19 3:30pm
J#:	
Date: **2018 Jan 19**	

E1 [**SysMat**]: This student is able to... Translate back and forth between a system of linear equations and the corresponding augmented matrix.	Mark: (Instructor Use Only)

Write a system of linear equations corresponding to the following augmented matrix.

$$\left[\begin{array}{cccc|c} 3 & 2 & 0 & 0 & 3 \\ 0 & 1 & -1 & 4 & -5 \\ -1 & 0 & 1 & -7 & 0 \end{array}\right]$$

E2 [**Rref**]: This student is able to... Put a matrix in reduced row echelon form.	Mark: (Instructor Use Only)

Find RREF(A), where

$$A = \left[\begin{array}{cccc|c} 1 & 0 & 1 & -1 & 1 \\ 3 & 2 & 5 & -1 & 1 \\ -2 & 1 & -1 & 3 & 1 \\ 0 & 2 & 2 & 2 & -2 \end{array}\right].$$