Assignment 2

Due Friday, September 30, before the lecture in the class

For each of the following matrices apply elementary row oerations to find the reduced echelon form.

1.	$\begin{bmatrix} 1\\1\\2 \end{bmatrix}$	$\begin{array}{ccc} 1 & 1 \\ 1 & 0 \\ 1 & 1 \end{array}$]	
2.	$\begin{bmatrix} 1\\ -1\\ 1 \end{bmatrix}$	1 -1 1	$\begin{array}{ccc} 1 & 0 \\ 0 & 2 \\ 1 & 0 \end{array}$	-
3.	$\begin{bmatrix} 1\\1\\2\\3 \end{bmatrix}$	$\begin{array}{ccc} 0 & 0 \\ 1 & 0 \\ 0 & 1 \\ 1 & 1 \end{array}$	$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 1 \end{bmatrix}$	
4.	$\begin{bmatrix} 1\\ 2\\ 3 \end{bmatrix}$	3 5 4 6 5 7	7 8 9	

Find the general solutions of the systems whose augmented matrices are given below:

5	1	0	0	0	0
	1	1	0	0	0
5.	2	0	1	0	0
	3	1	1	1	0
	1	3	5	7	7
6.	2	4	6	8	
	3	5	7	9	

Solve the following system of equations: