Su 96
EGN 3420 Quiz Name _____

For the system of equations below:

w	+	x			+	z	=	2
3w	-	x	+	3y			=	3
		x	-	4y	+	4z	=	4
w	-	x	+	2y	-	z	=	0

1. Find the Echelon form of the augmented matrix. Are there any arbitrary unknowns? If so, how many arbitrary unknowns are there?
2. Without solving for x, determine if x can be arbitrary. If x can be arbitrary, find the solution for w, y and z in terms of x.
3. Without solving for y, determine if y can be arbitrary. If y can be arbitrary, find the solution for w, x and z in terms of y.