Name:	**ID:**	**Sec:**	**serial:**

MATH-260 Term-092 QUIZ-2c

1) find the reduced echelon form of the matrix $A = \left[\begin{array}{cccc|c} 2 & 2 & 4 & 2 & 0 \\ 3 & 6 & 15 & 0 & 0 \\ 0 & 5 & 15 & -5 & 0 \end{array}\right]$

2) Use the method of Gauss-Jordan elimination to solve the following system (find the solution in vector form (i.e) as a linear combination of vectors)

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