Exam 3 Question 1 427J

1. Use parametric form to produce a linear dependence relation for the set

$$S = \left\{ \begin{bmatrix} -1 \\ -2 \\ 3 \\ 5 \end{bmatrix}, \begin{bmatrix} 1 \\ 1 \\ -2 \\ -1 \end{bmatrix}, \begin{bmatrix} -4 \\ -5 \\ 9 \\ 8 \end{bmatrix}, \begin{bmatrix} -1 \\ 1 \\ 0 \\ -7 \end{bmatrix} \right\}$$

Let 
$$A = \begin{bmatrix} -1 & 1 & -4 & -1 \\ -2 & 3 & -1 & 8 & -1 \end{bmatrix}$$
  
 $A = \begin{bmatrix} -2 & 1 & -4 & -1 \\ 3 & -1 & 8 & -1 \end{bmatrix}$   
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 $A = \begin{bmatrix} -2 & 1 & -4 & -1 \\ 3 & -1 & 8 & -1 \end{bmatrix}$   
 $A = \begin{bmatrix} -1 & 3 & -2 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$   
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