Assignment 2

$$\begin{bmatrix} 21 & 7 & -3 & 11 & -6 \\ -56 & 24 & -88 & 48 \end{bmatrix} \quad R_2 \rightarrow R_2 + 8R, \quad \begin{bmatrix} 7 & -3 & 11 & -6 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

$$R_2 \rightarrow R_2 + 16R_1$$
 $R_3 \rightarrow R_3 - 4R_2$

$$\begin{bmatrix} -1 & 5 & 0 \\ 0 & 88 & -3 \\ 0 & 0 & 21.82 \end{bmatrix}$$
 S(A) = S(B) = n \rightarrow dependent.

$$(4)$$
 $\begin{bmatrix} 1 & -1 & 1 \\ 1 & 1 & -1 \\ -1 & 1 & 1 \\ 0 & 1 & 0 \end{bmatrix}$

5 $R_3 \rightarrow R_3 + 3R_2$ 0 -15 3 (A) + 3 (AB) Linear independent.