BSSE23058 LA imaina Sudul be the linear system () Let Anob. $\begin{bmatrix} -1 & 3 & 2 \\ 1 & 2 & -3 \\ 2 & 1 & -2 \end{bmatrix} \begin{bmatrix} \eta_1 \\ \eta_2 \\ \eta_3 \end{bmatrix} = \begin{bmatrix} 1 \\ -9 \\ -3 \end{bmatrix}$ Show that be b is in the column space of linear combinition of column vectors of A $\begin{bmatrix} -1 & 3 & 2 & | & 1 \\ 1 & 2 & -3 & | & -9 \\ 2 & 1 & -1 & | & -3 \end{bmatrix} R1 = \frac{R1}{-1}$ 12 6 R2+(-1) K1 R3 < R3 + (-1) R1 -> -2(-2) -12 4-1=3 -1+(-1x-2)=-(+221 $\begin{vmatrix}
1 & -3 & -2 & | & -1 \\
0 & 1 & -\frac{1}{5} & | & -\frac{8}{5} & | & R3 + (-7)R2 \\
0 & 7 & 1 & | & -1 & | & 1 + (-7)x - \frac{1}{5} & | & 2 & 9
\end{vmatrix}$ -1+(-7~事) -1+56 1271-3712 b-2713 z -1 (M2=3.