



An ese ample unith unique solution: (3) $\begin{bmatrix} 2 & 1 & 2 & 1 & 4 \\ 2 & 3 & 5 & 10 \\ 3 & 4 & 8 & 15 \end{bmatrix} \xrightarrow{R_3 \to R_3 - 3R_1} \begin{bmatrix} 1 & 1 & 2 & 1 & 4 \\ 0 & 1 & 1 & 2 \\ 0 & 1 & 2 & 3 \end{bmatrix}$ Solution is $\overline{u} = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$ Check: [1 2] [4] [4] [3 48] [1] [15] 2 noeful properties of RREF matrices: 1. If R is an RREF mention mxn RREF metante, Lest n-k eslumns is also an RREF matrix (not true for deleting leading n-k whemm), ocken. [01456] take R=3
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[014] RREF But [2 3 4] > not RREF. 2. The RREF matrix R of a matrix A har a of column is the same position.

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