

FOR DISCUSSIONS IN CLASS

- 1.- Echelon forms and reduced-row echelon forms.
- 2.- Pivot position and pivot column.
- 3.- Thm 2 Conditions for ^{the existence and uniqueness of} Solns. of linear system
- 4.- Concept of Span.
- 5.- Thm 3 Different representations.
- 6.- Thm 4 Relation b/w pivot pos in every row and There exists Soln. for any $\hat{b} \in \mathbb{R}^m$.
- 7.- Concept of homogeneous and nonhomogeneous System.
- 8.- Concepts of linear independence and linear dependence.
- 9.- Linear transformation. Definition.
 - 9.1 Standard matrix.
 - 9.2 T is one-to-one
 - 9.3 T is onto.
 - 9.4 Thms 11 and 12.