Row Reduction

(Row) Echelon Form

Leading	Entry:
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Three Properties of Echelon Form:

(1)

(2)

(3)

Two Additional Properties for Reduced Echelon Form

(1)

(2)

The result is called an echelon matrix, or respectively, a reduced echelon matrix

<u>Theorem 1</u>: Uniqueness of the Reduced Row Echelon Form

Consequence of Theorem 1: If matrix A is row equivalent to an <u>echelon matrix</u> U , then	
	Pivot Positions
Definition:	
Pivot Column:	
Pivot:	
	Example (maybe)