

# Math136 - January 27'th, 2016

## Rank, Solution Theorem, Matrices

### Rank of a Matrix

Suppose  $A$  is a matrix with RREF  $R$ . The **rank** of  $A$  is the number of leading ones in  $R$ .

### Theorem 2.2.4

If  $A$  is a  $m \times n$  matrix, then  $\text{Rank } A \leq \min(m, n)$