## Section 1.2 Part II: Row Reduction and Echelon Forms

MATH 204: Linear Algebra Prepare for class August 31, 2018	Name (Print):
After reading/rereading Section 1.2 (page	es 12-21), answer the following questions.
1. Write down the <b>The Row Reduction A</b>	algorithm:
Step 1:	
Step 2:	
-	
Step 4:	
Step 5:	
2. Write down the definitions of the following	
	g:
(a) basic variable	
(b) free variable	

3. State Theorem 2: Existence and Uniqueness Theorem.

4. Start working on the following example: Apply the Row Reduction Algorithm to transform the following matrix to RREF. We will complete this in class.

$$\begin{bmatrix} 0 & 4 & 4 & 8 & 2 & 4 \\ 3 & 1 & 7 & 11 & 0 & 6 \\ 2 & 2 & 6 & 10 & 1 & 8 \end{bmatrix}$$