**PAP Algebra 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solving Systems with Matrix**

**Calculator Instructions for a 3x3 Matrix (\*All keys in bold)**

1. **ALPHA**, **ZOOM**
2. Row:3, Column:3, OK
3. Type Numbers in Matrix, Use the **Right Arrow**
4. **X-1**

5) **Alpha, ZOOM**

6)Row:3, Column:1, OK

7) Type Numbers in Matrix, **Right Arrow, Enter**

The answer will appear as a matrix where the top number is the value for x (first variable) and the bottom number is the value for y (second variable) and so on.

**Example 1**: Solve the following systems of equations using matrices



1. Write in matrix form: 

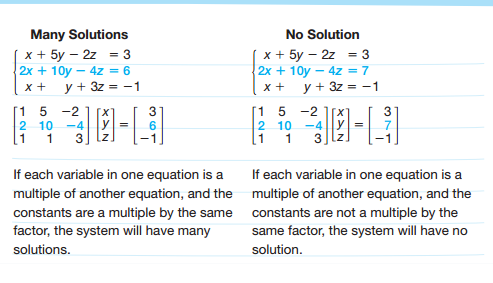
2. Solve and type in calculator:  

3. Write final answer:

**Example 2**: Solve the following systems of equations using matrices. ANS: 



**Special Cases with Matrices**

****