

### Order of Operations:

- The order of operations remains the same!

- P
- E
- M
- D
- A
- S

d

### Solving for X:

- Since the \_\_\_\_\_ have to be equal, separate the proper \_\_\_\_\_.

$$-2 \begin{bmatrix} 2 & 13 \\ 4 & -5 \\ x & 1 \end{bmatrix} + \begin{bmatrix} 12 & 3 \\ -5 & 6 \\ 13 & 14 \end{bmatrix} = \begin{bmatrix} 8 & -23 \\ -13 & 16 \\ 7 & 12 \end{bmatrix}$$

Definitions

Matrix: Placed of

Order: \_\_\_\_\_

Row Matrix: \_\_\_\_\_

Column Matrix: \_\_\_\_\_

Square Matrix: \_\_\_\_\_

Entry: \_\_\_\_\_

Equality: A matrix is equal to another if

Addition and subtraction

The matrix must have

Scalar multiplication

Matrix + scalar = matrix