Keeper #5: Solving Equations w/ Matrices

A = B =

1. 2.

3. 4.

Augmented Matrices

A \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_ written in \_\_\_\_\_\_\_\_\_\_\_\_ form using coefficients of variables.

1. **Write the coefficients of the *x*-terms as the numbers down the first column.**

**2. Write the coefficients of the *y*-terms as the numbers down the second column.**

**3. If there are *z*-terms, write the coefficients as the numbers down the third column.**

**4. Draw a vertical line and write the constants to the right of the line.**

Ex. 1 set up into augmented matrix **How to solve:**

Ex. 2 solve for x and y Ex. 3 solve for x and y

Ex. 4 solve for x, y, and z