**Notes on how to solve equations:**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_

You solve equations by using opposite operation.

Whatever you do to one side, you must do to the other.

Ask yourself this question: What operation is being done between the variable and the item(s) with the variable?

**Add:**

X-7= 14

+7=+7

X= 21

**Subtract:**

X+7=14

-7=-7

X=21

**Multiplication:**

X \* X/7 = 3\*7

- Times 7 on both sides!

X=21

**Division:**

7X=14

7X/7=14/7

X=2

- Divide both sides by 7!

**Two Step:**

3X+4=16

-4= -4

3X= 12

3X/3= 12/3

X=4

- Two Step Equations:

You undo add or subtract 1st, then you multiply or divide!