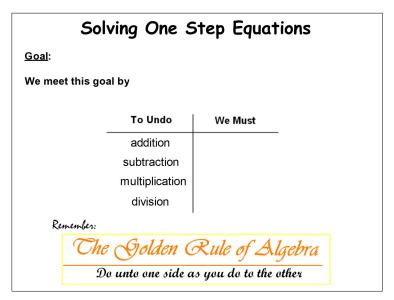
Good Morning!

Today you will need:

- notes page (I will pass out)
- corrected homework
- Vocabulary sheet
- pencil
- calculator



equation	
A number sentence stating that two quantities are equal (it must have an equal sign).	ex: 10 = 2x - 5 an equation where the quantity of 10 is equal to the quantity of $2x - 5$ y = 3x + 7 an equation where the quantity of y is equal to the quantity of $3x + 7$
solution to an equation	
The value of the variable that makes an equation true.	ex:
	4(4) - 6 = 16 - 6 = 10



To solve, you must get the variable alone on one side.		
** You <u>must always</u> show all your ALGEBRAIC steps		
Solve	Check Your Work by putting your answer back into the equation	
3+x=-8		
x-1=-3		
-56 = 8x		
$\frac{x}{-12} = -5$		

Practice Problems...

Solve the following equations, show your steps, and check your answer.

2)
$$-8 + a = -4$$

3)
$$-3c = 9$$

4)
$$\frac{b}{12} = 2$$

Milo walks at a rate of 3.2 meters per second.

- 1. Write an equation that represents the distance *d* that Milo walks in *t* seconds.
- He walks at this same rate for 50 seconds. How far does he walk? Replace one of the variables in the equation from #1 and solve to find the answer.
- 3. At this rate, how long does it take him to walk 112 meters? Replace one of the variables in the equation from #1 and solve to find the answer.

Homework:

Write and Solve One Step Equations worksheet

Some equations are easier to solve...

$$12 = 4x$$

Find the value of x.

$$x = 3$$

$$3x + 1 = 10$$

Find the value of x.

Some equations are more difficult...

$$\frac{4x}{7} + 9(2x - 6.4) = (2x)^3 - \pi + 9842x$$



So...

As equations get more complicated we must have a <u>systematic way</u> to solve for missing

values...or Variables in any given equation.