Solving One Step Equations – Guided Notes

An	is a mathematical sentence with a	nsign.
The following are all cons	idered to be equations:	
Ex) 9 + 2 = 11 Ex) x + 7 = 37 Ex) a + (-3) = 2a + 5		
A	of an equation is a value for a	that makes an equation
You substitute a number feequation.	or a variable to determine whether the	e number is aof the
Examples Directions: Is the given nu answer.	mber a solution for the equation? Plea	ase show how you arrived at your
Ex) $170 + x = 200$, for $x=3$	0 Ex	() 3 = 12 – a, for a=6
Ex) 9 – m = 3, for m=6	Ex	κ) 8 + t = 2t, for t=3
,		
Important Rules for Solving Equations		
	an equation, your goal is to get the ation. In other words, you are trying to	
Rule #2) When you are so isolate the variable on one	olving for a variable, you MUST use in a side of the equation.	verseto
**Rule #3) Whatever you do to of an equation, you must do to the of the equation. In other words, you must keep the equation		

Think of solving an equation like lifting weights. If you add or subtract weight from one side of the barbell, you must add or subtract the same amount of weight from the other side of the barbell to keep it balanced.

Solving One Step Equations involving Addition and Subtraction:

$$3).76+x=344$$

Solving One Step Equations involving Multiplication or Division:

9).
$$\frac{x}{19} = 7$$

10).
$$\frac{x}{26} = 15$$

11).
$$\frac{x}{45} = 270$$

12).
$$\frac{1}{4}x = 16$$

13).
$$\frac{3}{5}x = 75$$

7).
$$\frac{y}{8} = 32$$

14).
$$\frac{2}{7}x = 6$$

8).
$$\frac{x}{4} = 76$$

15).
$$\frac{1}{12}x = 13$$