Date: Sept 5 Hour:Alg 1	1
Name: Unit 1B Day 12: Solving ONE Step Equations Unit 1B Day 12: Solving ONE Step Equation using inverse operations?	
Focus Question: Can I solve a one step equation using inverse operations?	
A. Solve vs. Simplify A: $4x + 6x$ B: $4x + 6$ C: $4x = 6$ 1. Only one of the above can be simplified. Which one? Explain. $4x + 6x$ $4x + 6x$ Explain. $4x + 6x$	avia
Simplify means write in fewer symbols 2. Only one of the above can be solved. Which one? Explain. its an equation solve means isolate the variable	OV
Solve means 1 501 act the first to the solve means 1 501 act the first to the first	
B. The Additive Identity 1. Fill in each blank: $5 + 0 = 5$ $0 + -6 = 6$ $a + 0 = 6$	
2. Does adding zero to a number change the number?	
Zero is the additive identity: the number you can add to anything without changing the value.	
The additive identity is created by doing the inverse operation.	
The inverse of addition is <u>Subtraction</u> .	
The inverse of subtraction is addition.	2=5
When your teachers in the past have said "cancel," they meant "created the identity."	
3. Fill in each blank $0 = -4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 $	uation
4. Solve the following: $x + 0 + 10$ $x + 0 + 18$ $x + 0 + 18$ $x + 0 + 18$	
The <u>subtraction property of equality</u> states that you can subtract the same number on both sides equation and the equality is still true. For example if $a = b$, then $a = 2 = b = 2$.	of an
5. Solve the following: $y + 7 = -8$	
C. The multiplicative Identity	
1. Fill in each blank: $1 \cdot 4 = 4$ $-3 \cdot 1 = -3$ $1x = 4$	
2. Does multiplying a number by one change the number?	

One is the multiplicative identity: the number you can multiply anything by without changing the

The multiplication property of equality states that you can multiply the same number on both sides of

The multiplicative identity is created by doing the inverse operation.

The inverse of multiplication is division.

value.