Distributive Property Hands-On Lab



Remember:

You must multiply the term outside of the parentheses by all the terms within the parentheses.

To simplify an expression using the distributive property, you must multiply the term on the outside of the parentheses by all of the terms inside the <u>parentheses</u>.



Activity 1

Model and simplify the expression 3(x + 4).



Put like terms together.

Activity 2

Model and solve the equation 2(x - 3) = 4.



<u>So</u>

3(x + 4)

is equivalent to

3x + 12

Inverse Operations

2(x-3) = 4

2x - 6 = 4+6 + 6 $\frac{2x = 10}{2}$

x = 5



<u>So</u>

_____ is equivalent to _____

<u>So</u>______is equivalent to ______

Model and solve the equations. (4 pts each)

 5.
 4(2 + x) = 16

 Inverse Operations

 6.
 3 = 3(-x + 5)

 Model

 Inverse Operations