## Solving for x: Lesson 14

## Literal Formulas 2: Notes

Name: Answer Key'

MATH × ZALL

## Solving complex literal equations:

- 1. Get the target variable out of any parentheses by using the property.
- 2. Get the target variable out of the denominator by using Multiplication
- 3. Move all target variable terms to one \_\_\_\_\_\_ and the others to the other side.
- 4. Factor out the target variable from the one side.
- 5. **Divide** both sides by what is left over to get the target variable by itself.

Solve 
$$xa + 2a = 7b$$
 for  $a$ .

$$xa+2a=7b$$
 $a(x+2)=7b$ 
 $x+2$ 
 $a=7b$ 
 $x+2$ 
 $a=7b$ 
 $x+2$ 

$$9h = \frac{2+3i}{i} \text{ for } i$$

9hi = 2+36  
-3i -3i  
9hi-3i=2  

$$i(9h-3)=2$$

$$a(5x-3c) = d(rx-9) \text{ for } x$$