

Full Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Literal Equations

### Solving literal equations

Phrase	Definition
<b>Literal equations</b>	<ul style="list-style-type: none"><li>• Literal equations are equations with multiple _____.</li><li>• Usually asked to solve for JUST ONE variable of the variables.</li></ul>
<b>How to solve LITERAL EQUATIONS:</b> Step 1: Locate the _____ you are asked to solve for in the equation. Step 2: Identify the _____ on this variable and the order in which they are applied. Step 3: Use _____ operations to undo operations and isolate the variable.	

**Example 1:** Solve  $A = bh$  for  $h$ .

**Example 2:** Solve  $y = c + x$  for  $x$ .

solution:

**Example 3:** Solve  $\frac{f+g}{3}$  for  $g$ .

solution:

**Example 4:** Solve  $u = 3b - 2a + 3$  for  $a$ .

solution:

solution:

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## DO NOW!

Solve  $g = xc$  for  $x$ .

solution:

Solve  $12ab = 4$  for  $a$ .

solution:

Solve  $am = n + p$  for  
 $a$ .

solution:

Solve  $g = x - c + y$   
for  $x$ .

solution:

Solve  $xm = x + z$  for  
 $x$ .

solution:

Solve  $g = ca - b$  for  
 $a$ .

solution:

Solve  $A = bh$  for  $b$ .

solution:

Solve  $P = 2l + 2w$  for  
 $w$ .

solution:

Solve  $Q = \frac{c + d}{2}$  for  $d$

solution:

Solve  $Q = 3a + 5ac$   
for  $a$ .

solution:

Solve  $l = \frac{PN}{PN + A}$  for  
 $N$ .

solution:

Solve  $P = a + b + c$   
for  $b$ .

solution: