Full Name: _____ **Date:** _____

Literal Equations

Solving literal equations

Phrase	Definition
Literal equations	• Literal equations are equations with multiple _____. • Usually asked to solve for JUST ONE variable of the variables.

How to solve **LITERAL EQUAtIONS**:

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.

solution:

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:

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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 $I = \frac{PN}{RN + A}$ for N. **solution:**	Solve $P = a + b + c$ for b. **solution:**

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