

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 .

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: