

# FOLDABLE

<b>Solving Equations (top layer)</b>	<p>Do you have a constant added or subtracted on both sides of the equal sign?</p>
	<p>Does your variable have a coefficient other than 1?</p>
	<p>You should have a simple equation with a variable = a number.</p> <p>Check your solution by substituting the number in the original equation.</p>

<b>GLUING TAB (middle layer)</b>	<p>Choose the constant that is on the same side as the variable. Undo that constant by adding the opposite to both sides of the equation.</p> $7 = 5x - 3$ <p>Add positive 3 to both sides.</p>	YES		
	<p>Undo the coefficient of the variable by doing the opposite operation (multiply or divide).</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> <math>3x = 12</math> Divide by 3                 </td> <td style="width: 50%; text-align: center;"> <math>\frac{x}{4} = 6</math> Multiply by 4                 </td> </tr> </table>	$3x = 12$ Divide by 3	$\frac{x}{4} = 6$ Multiply by 4	YES
	$3x = 12$ Divide by 3	$\frac{x}{4} = 6$ Multiply by 4		
<p>Solution: <math>x = 5</math></p> <p>Original equation:</p> $2(x - 3) = x - 1$ $2(5 - 3) = 5 - 1$ $2(2) = 4$ $4 = 4$	YES			

<b>GLUING TAB (bottom layer)</b>	The constant values are only on one side of the equation. Go to the next step.	NO
	The variable has a coefficient of 1. Go to the next step.	NO
	My solution checks in the original equation!	YAY!

Source:

Carter, S. (2013, November 19). Solving Equations Flowchart Foldable [Blog post]. Math = Love.  
<https://mathequalslove.net/solving-equations-flowchart-foldable/>