

LITERAL EQUATIONS EXPLORATION

Solve each equation for x .

1. $3x + 5 = 17$		2. $ax + b = c$
	Explain each step you will take to isolate x .	
	Are you able to simplify like terms? If so, which ones?	
	Show your work here.	
	Give the solution in terms of $x = \underline{\quad}$	

In Equation 2, what would x equal if $a = 3$, $b = 5$, and $c = 17$?

3. $\frac{x}{2} - 4 = 8$		4. $\frac{x}{a} - b = c$
	Explain each step you will take to isolate x .	
	Are you able to simplify like terms? If so, which ones?	
	Show your work here.	
	Give the solution in terms of $x = \underline{\quad}$	

In Equation 4, what would x equal if $a = 2$, $b = 4$, and $c = 8$?

What do you notice about equations with just one variable and equations with four variables?