

LITERAL EQUATIONS EXPLORATION

Solve each equation for x .

1) $3x + 5 = 17$		2) $ax + b = c$
	Explain each step to isolate x	
	Were you able to simplify like terms? If so, which ones?	
	Give the solution in terms of $x =$	

What would equation 2 equal if $a = 3$, $b = 5$, and $c = 17$?

Solve each equation for x .

3) $\frac{x}{2} - 4 = 8$		4) $\frac{x}{a} - b = c$
	Explain each step to isolate x	
	Were you able to simplify like terms? If so, which ones?	
	Give the solution in terms of $x =$	

What would equation 4 equal if $a = 2$, $b = 4$, and $c = 8$?

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