l can	Simplify numeriEvaluating expr	c expressions using the proper order of operations.			
ORDER OF OPERATIONS	 "Operations" mean things like add, subtract, multiply, divide, squaring, etc. If it isn't a number or variable it is probably an operation. To stop the madness, long long ago people agreed to follow rules when doing calculations and they are: How Do I Remember It All ? BEDMAS ! B Brackets first 				
				E	Exponents (also Powers and Square Roots, etc.)
				DM	Division and Multiplication (left-to-right)
	AS	Addition and Subtraction (left-to-right)			
		1. (7 - √9) • (3 +			
	Evaluating expressions	Examples: Evaluation $1 \cdot ab^2 - d$	e each expression if a = 4, b = -5, c = -2, d = 3, & g = 6. 2. c + b + a		
3 . (<i>b</i> – <i>dg</i>)		4. $a(b + c) + d$			
5. $-b(a+(c-d))$		6. $ad - \frac{g^2}{c}$			

Solving Equations (review)

		· · ·	
	We can solve an equation b	by using	
	to the variable in the equation.		
	 Guidelines: Simplify both sides first (may include distributing) Use inverse operations to isolate the variable (get the variable alone on one side of the equation.) Undo addition or subtraction, before undoing multiplication or division. (SADME) 		
Example I	Solve $\frac{1}{2}x - 5 = 10$		
	Check: Substitute in the a	nswer vou got	
Evananta 2	Solve $64 - 12w = 5w + 3$		
Example 2	Solve $64 - 12W = 5W + 3$	Write the original equation. Collect variable on the side by	
		Simplify.	
		Collect constants on the side by	
		each side by	
		Simplify.	
Example 3	Solve $\frac{2}{5}(10x+15) = 18 - 4(x-15)$	- 3)	
		Write the original problem.	
		Distribute the	
	Check: Substitute in the a	nswor vou act	
Evenente 4			
Example 4	Solving a Temperature Conversion Formula		
	Solve $K = \frac{5}{9}(F - 32) + 273$ f	or F.	

Solvel	inear Systems by Substitution		
I can	Solve systems of linear equations by substitution.		
Solving Systems using Substitution	 Solve systems of infect equilibris by substitution. () () () () () () () () () () () () () (
Steps: 1) Solve one equation for one variable (like x)	Use substitution to solve each system of equations. 1) $\begin{cases} y = 2x - 1 \\ y = -3x + 4 \end{cases}$ 2) $\begin{cases} -2x + y = -3 \\ 4x + 2y = 12 \end{cases}$		
2) Substitute the found expression into the other equation			
3) Solve for the other variable (like y)			
4) Substitute that value into one of the original equations to find the other variable			
5) Write solution as an ordered pair (like (x,y))	3) $\begin{cases} x + y = 3 \\ -2x + y = -6 \end{cases}$		

Solve	Linear Systems by Elimination
Solving Systems using Elimination	Method 2 – Elimination METHOD: -3y + 3x = -9
Steps	$0 = y - 6x + 2 \qquad -3y + 3x = -9$ 1. Arrange equations so like terms are stacked, like this $-y + 6x = 2$
	2. Create a pair of opposites by multiplying one or both equations $\begin{array}{r} -3y + 3x = -9 \\ (-3)(-y + 6x) = (2)(-3) \\ \hline -3y + 3x = -9 \end{array}$
	3. Add the columns together $ \frac{3y - 8x = -6}{5x} = -5 $
	4. Solve for the remaining variable $\frac{-10}{x} = 1$
	5. Substitute to solve for the other variable. Write answer as ordered pair \rightarrow (,) $ \begin{array}{rcl} -3y + 3(l) &= -9 \\ -3y + 3 &= -9 \\ -3y &= -l2 \\ ll &= 4 \end{array} $
 Stack like terms Create a pair of opposites by multiplying one or both equations Add the columns together Solve for the remaining variable Substitute to solve for the other variable 	Use elimination to solve each system of equations. 1) $\begin{cases} 2x + 3y = 11 \\ -2x + 9y = 1 \end{cases}$ 2) $\begin{cases} 3x + 4y = 0 \\ x - 4y = -8 \end{cases}$