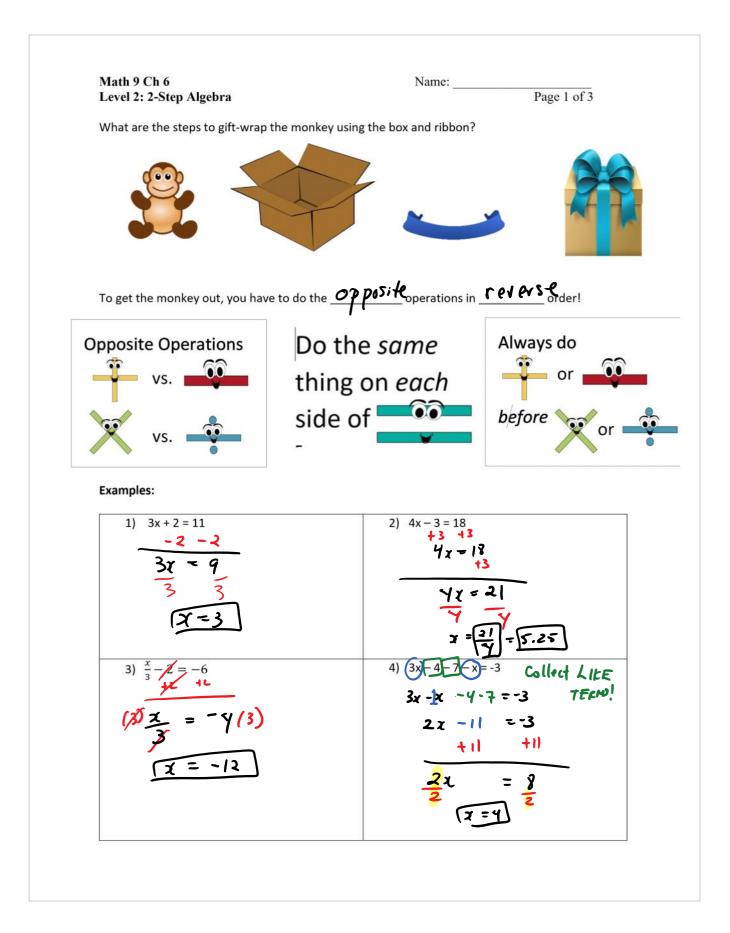
2 2-Step Algebra

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Ex. 5: Solve the equation -2(x + 4) = 12 in TWO different ways and verify your solution!

Ex. 5 : Solve the equation $-2(x + 4) = 12$ in TWC	O different ways and verify your solution!	
Method 1: distribute	Method 2:	
-2(x+4) = 12	$\frac{1}{2}(x+4) = 12$	
-2(x) + -2(y) = 12	·	
$-2\times \begin{pmatrix} -8\\ +8 \end{pmatrix} = 12 \\ +8 \end{pmatrix}$	$x + \gamma = -6$	
	$\frac{-4}{(7 = -10)}$	
$\frac{-2x}{-2} = \frac{20}{-2}$	12 = -10	
$\chi = -10$		
Ex. 6: $4(x-2) - 8x = -34x = -34x = -34$ 4(x) + 4(-2) - 3x = -34 4x - 3 - 3x = -34	Collect LIKE terms Defore Solving	
-4x - 8 = -34	3x - 5 + 4x + 9 = 25	
- y/y = -26-2	3x + 4x - 5 + 9 = 25	
$-\frac{y}{y} = -26 \div 2$	7x + 4 = 25	
$\Theta \div \Theta = \bigoplus \left[x = 13 \right] = 6.5$	/X + 4 - 25	
2		
"="	•	
Ex. 7: If you triple number, then add fifteen,	Ex. 8:	
the result s regative twelve. What is the number?	If the perimeter of this	_
a) If represents the number,	If the perimeter of this rectangle is 13.2 cm, 9,10,1 what is the width? 9,10,1	11
write the equation. $3\chi + 15 = -12$	7 7 - 14	
1 - 15 -15	$\frac{2(3.7+x)}{7} = \frac{13.2}{2}$	
b) Solve the equation. $3\chi = -27$	3.7+x = 6.6	
3 3	- 3.7 - 3.9	
Chuck: 3(-9) +15 -72	x = 2.9	
(N(k, 3(-9) + 15 = 12)) -27+15 = -12/	The width is 2.7 cm.	

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