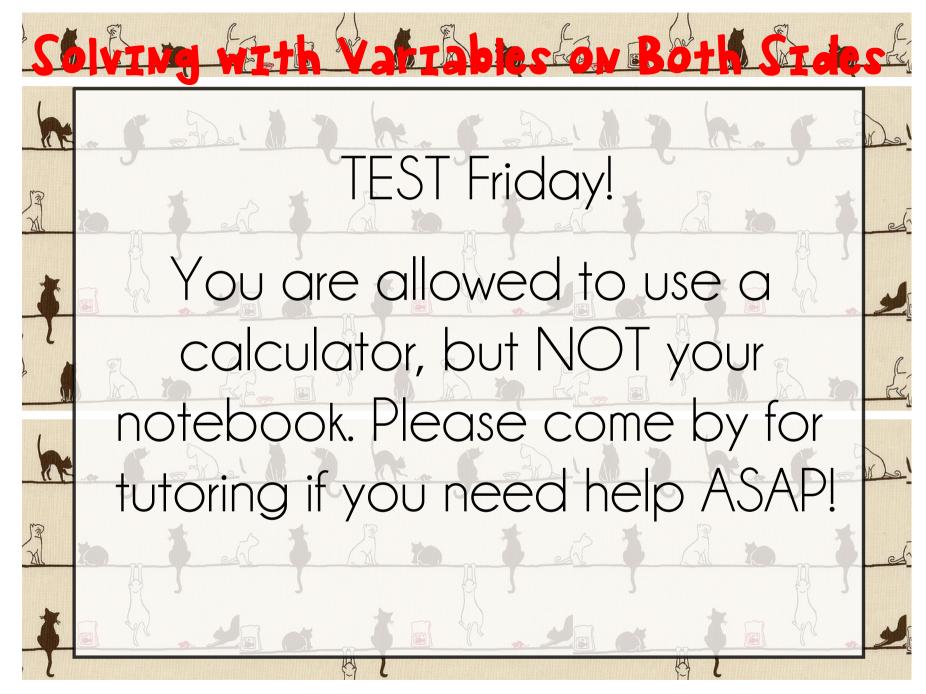
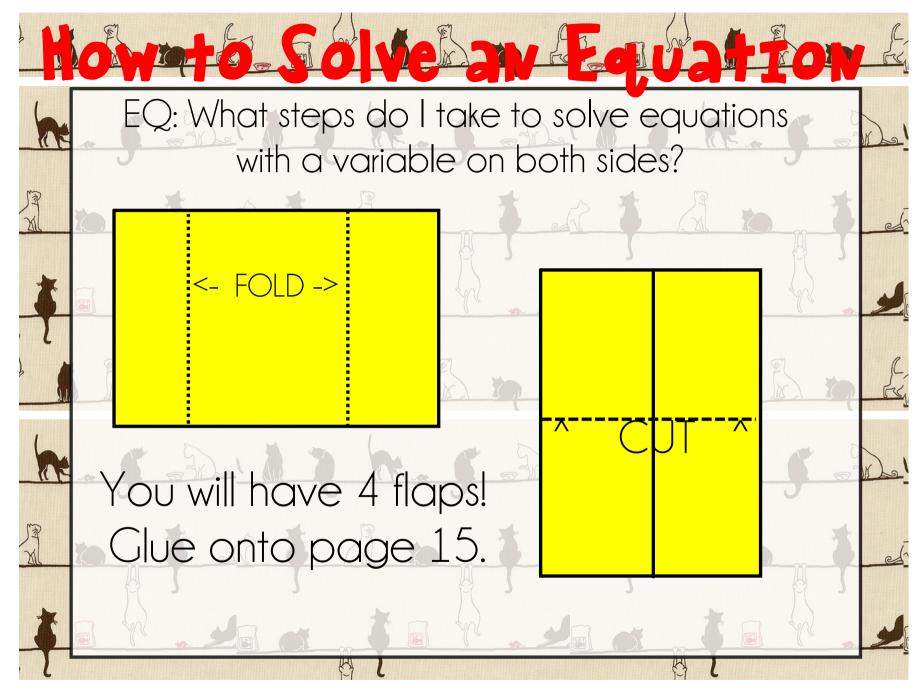
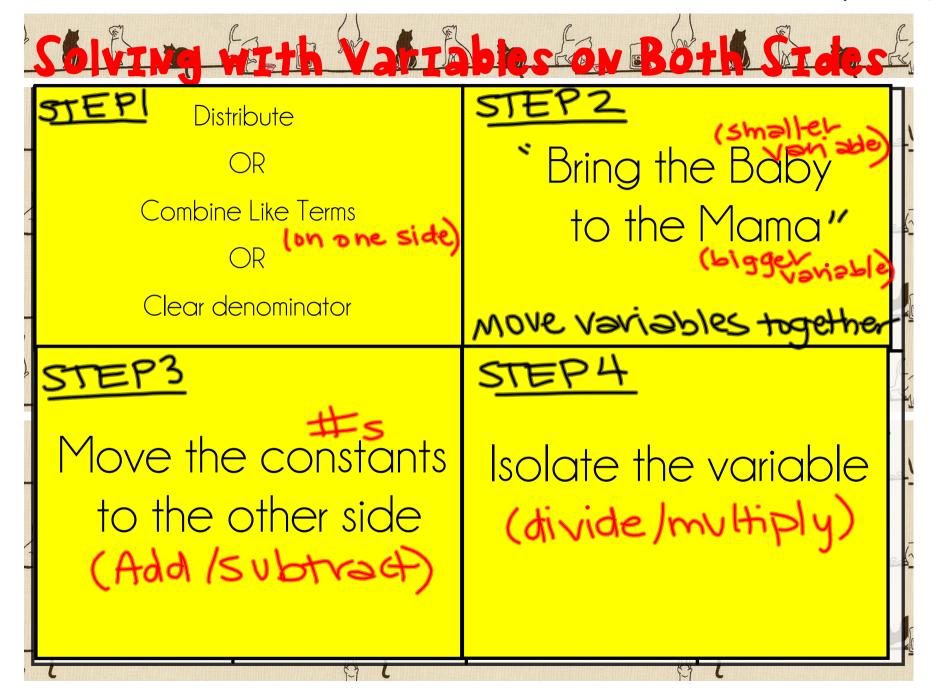
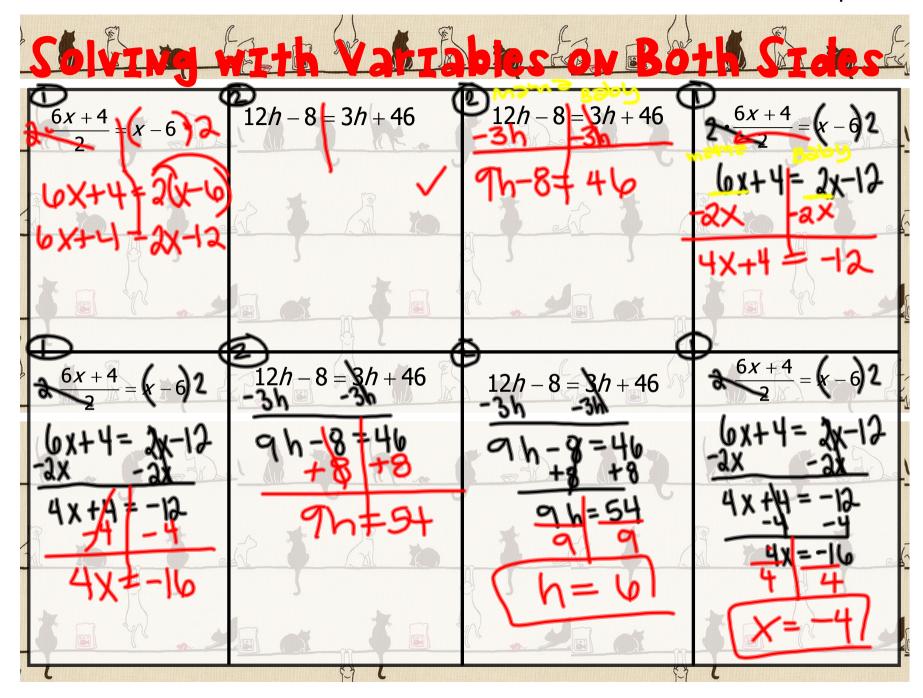


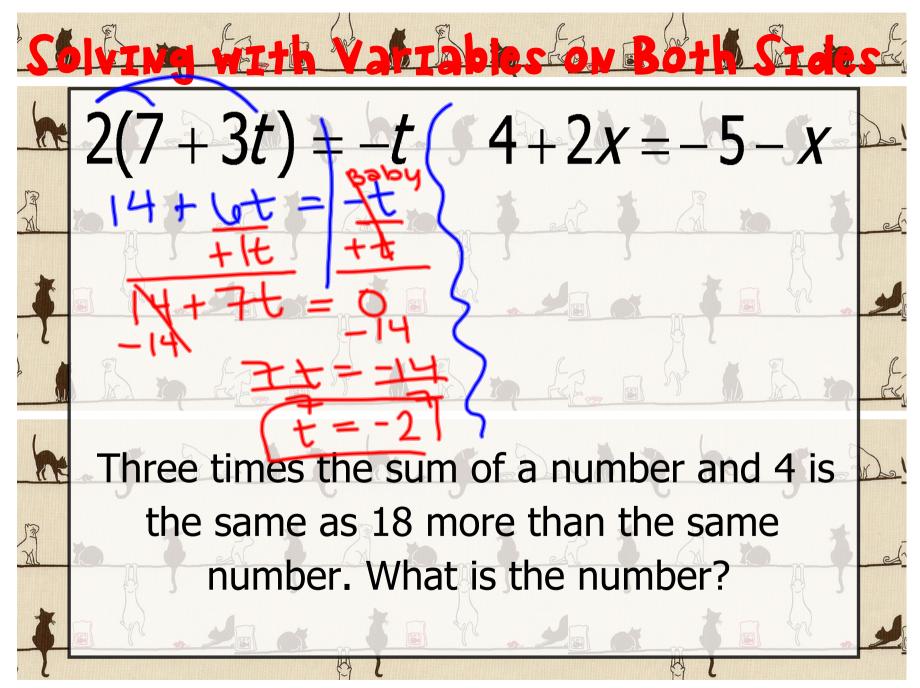
10 Variables Both Sides.notebook September 08, 2014

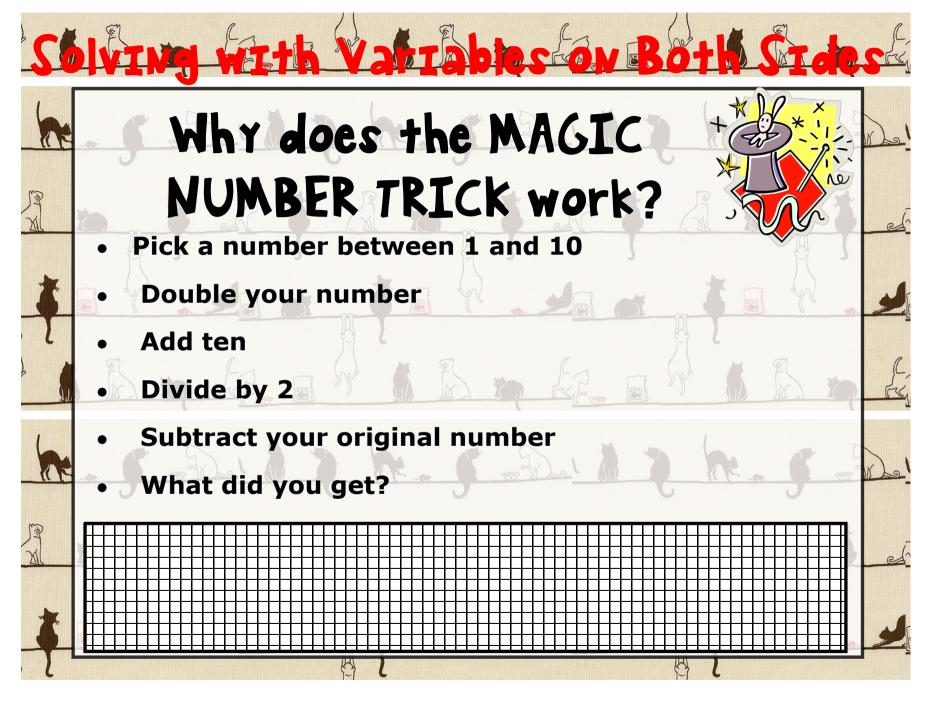












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h		Quiz	HW Turn-In Percentage	Need to Makeup Quiz	
M	mazwäl .	779 6	63:4	Devin Symone Jackie Christina	
*	a 3ra	70 A			
	Hth	ETTE ST	181%	Alex Betsy Edgar	
n	-54h	77	R59%	Allre	
F	* No quiz re-dos: you had your notes! If you do better on Friday's test, I will raise the grade. * There will be a prize for the class with the highest turn-in rates at the end of the six wee. Remember: all unit 1 HW is due by the last unit 1 test!				
XIIL					
*	* Please sched	* Please schedule a time to make up quiz with me outside of class (you have one week!)			
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Both pages (EVENS)

Algebra I - Unit 1: Topic 2 - Solving Multi-Step Equations with Variables on Both Sides Practice - Solving Multi-Step Equations with Variables on Both Sides pp 100-106 _____ Date ______ Per ____

Solve the following problems, and then check your answer.

1.
$$6x + 7 = 8x - 1$$

1.
$$6x + 7 = 8x - 13$$
 2. $2(5n - 2) = 4(n + 2)$

$$3d - 18 = -d + 30$$

3.
$$3d - 18 = -d + 30$$
 4. $x + 4 = \frac{-3x - 7}{2}$

5.
$$-x+3=-x$$

5.
$$-x+3=-x$$
 6. $6(y + 2) - 4 = 6y$

7.
$$-8 - x^3 = x - 4(2 + x^2)$$

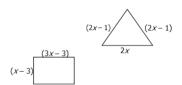
7.
$$-8 - x^3 = x - 4(2 + x)$$
 8. $4(2a - 8) = \frac{1}{7}(49a + 70)$

Algebra I - Unit 1: Topic 2 - Solving Multi-Step Equations with Variables on Both Sides

Define a variable, set up an equation, then solve. Write your answer in a complete sentence.

10. Two less than 2 times a number is 64 plus the same number. Find the number.

11. Claire purchased just enough fencing (in meters) to border either a rectangular or triangular garden shown below whose perimeters are the same. What is the value of *x* and how much fencing did she buy?



12. A moving company charges \$800 plus \$16 per hour. Another moving company charges \$720 plus \$21 per hour. How long is a job that costs the same no matter which company they use?

13. The measure of an angle is 75° more than its supplement. Find the measure of each angle.

14. The complement of an angle is 15° more than twice the measure of the angle. Find the measure of the largest angle.