Spring Break - Unit 6 Review

-Form G -

Solve each system by graphing.

Tell whether the system has one solution, infinitely many solutions, or no solution.

1.
$$y = x - 2$$

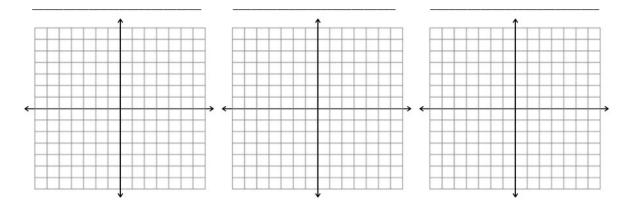
$$y = -3x - 6$$

2.
$$3y - 4x = -6$$

$$y = \frac{4}{3}x - 2$$

3.
$$y = 3x - 4$$

$$y - 3x = 1$$



Solve each system using **substitution**.

4.
$$y = 2x + 5$$

 $y = 6x + 1$

$$x = y + 7$$

$$y - 8 = 2x$$

6.
$$4x + y = 2$$

 $3y + 2x = -1$

Solve each system using <u>elimination</u>.

7.
$$x + 3y = 11$$

 $2x + 3y = 4$

3.
$$2x + 4y = -12$$

 $-6x + 5y = 2$

9.
$$4x + 2y = 36$$
 $10x - 4y = -6$

Write a system of equations to model each situation. Solve by any method.				
The sum of two numbers. Their difference is 26. Wr system of equations that r the situation. What are the two numbers with the situation of the situation.	rite a and a difference what an what an architects?	ers have a sum -25 rence of -39. The two numbers	The larger number is than 3 times the small What are the two n	14 more er number. numbers?
13. You have ones & fives in your pocket. 61 bills total, worth \$201.How many fives & ones are there?14. Penny has a collection of dimes and nickels. She has 95 coins totaling \$4.90.Find how many of each type of coin she has.				
a month with no deposit	-	c) Solve	D) How many m do you need to liv City St. for it to b cheaper option?	nonths we in
day plus \$50 processing processing fee. How ma	g fee. The Here Kitty	-Kitty Kennel char	D) How long she your vacation be to make sense to Best Cat Kennel?	ould for it use
together the average car before they break even? A) Define variable	. If they sell a car for	an average of \$1,2	pment. It usually costs \$450, how many cars do they C) Solve	