algebra agenda					
	Monday	11/9/2015	Objective:	Solving by Substitution Day 2	
	Mo		Assignment:	Practice #1-8	
	Fuesday	11/10/2015	Objective:	Solving by Elimination	
	Tue	11/10/2013	Assignment:	Practice #1-11 ODDS	
l	Wednesday	11/11/2015	Objective:	Elimination Day 2	
	Wedn	11/11/2015	Assignment:	Practice #1-11	
	sday		Objective:	Solving by Graphing	
	Thursda	11/12/2015 Assignme	Assignment:	Practice #1-9	
	ay		Objective:	Quiz!	
	Friday	11/13/2015	Assignment:	HW 3.1 Due!	

Final Weekly HW Grade: _____

Be wo k	Name: Period:
Monday	thersday
Tuesday	Friday
Wednesday	CHALLENGE

WHAT DISNEY MOVIE IS ABOUT A JTUPID BOYFRIEND?"

Solve the systems of equation using the substitution method. The answer to each problem will match a letter that will allow you to figure out the joke.

1.	2x + 3y = 10 y = -x + 2	U. (1, 2)
		O. (-5, 0)
2.	$ \begin{array}{l} x = 4y - 7\\ 3x = 2y - 1 \end{array} $	B. (¹ / ₂ ,7)
3.	6x - y = -4 2x + 2y = 15	W. (0, 0)
0.	2x + 2y = 15	D. (-2, -3)
		A. (-1, 1)
4.	5y - 6 = x y = -x	Y. (-1, 4)
		E. (-4, 6)
		M. (-5, -3)
5.	$\begin{array}{l} x - 2y = 1 \\ y = x + 2 \end{array}$	I. (7, 3)
		U. No Solution
6.	x - y = 3 6x + 4y = 13	N. (-4, 5)
	5X + 4y = 15	S. (-3, 2)
7.	6x - 2y = 7 y - 3x = -6	V. All real number on the line: $y = -\frac{1}{2}x + 3$
		B. $(\frac{5}{2}, -\frac{1}{2})$
		F. (-3, 13)
8.	x - 7y = 19 5x = -2y - 16	
	8 2 5 6 3	1 4 7

Algebra I - Unit 4: Solving Systems by Elimination Day 1 Practice – Solving Systems by Elimination Day 1 Name Date Period						
Name						
-	f equation using eliminati		A			
1. $\begin{aligned} x + y &= 5\\ 3x - y &= 7 \end{aligned}$	2. $3x + 5y = 0$ $-2x + 5y = 25$	3. $2x + y = 3$ -2x + 5y = -9	4. $\begin{array}{c} -4x + 6y = -4 \\ 4x - 9y = 5 \end{array}$			
5. $3x + 8y = -1$ -3x + y = -17	$\begin{array}{c} 2x + y = 5\\ -2x - y = 8\end{array}$	7. $3x + y = -6$ $5x + y = -10$	8. $\frac{1}{2}x - 5y = 30$ $\frac{1}{2}x + 7y = 6$			
-3x + y = -11	-2x - y = 0	5x + y = -10	$\frac{1}{2}x + 7y = 6$			

Solve each system of equation using elimination.

9. $4x + 7y = -12$, find x-y	10. $\begin{array}{c} x + 2y = 15\\ 5x - 2y = 3 \end{array}$, find xy
4x + y = 12	5x - 2y = 3'

- 11. Naomi took a 40-question history exam. The exam only had multiple-choice questions and shortanswer questions. Each multiple-choice question was worth one point; each short-answer question was worth five points; the whole exam was worth 100 points.
 - A. Which system of equation could be used to solve for m, the number of multiple-choice questions, and s, the number of short-answer questions?

Δ	5m + s = 40	С	s + m = 40
	m + s = 100	Ŭ	5s + m = 100
В	m + s = 40	D	5s + m = 40
	5m + s = 100		<i>s</i> + <i>m</i> = 100

B. Solve the system that you selected in part A.

Algebra I - Unit 4: Solving Systems by Elimination Day 2				
Practice – Solving Systems by Elimina Name		Period		
Solve each system by elimination. 5x-2y = 4 1. 3x + y = 9	3x - 5y = 7 $5x - 2y = -7$, then x + y = ? 1		
3. $3x - 5y = 13$ x - 2y = 5	4x + 3y = 9 $3x + 4y = 1$	2 [,] then xy = ?		

5.
$$3x - 2y = -1$$

 $3x - 4y = 9$
6. $4x + 6y = 0$
 $6x + 8y = 2$, then $x - y = ?$

7. Karrie and Amy were shoulder partners. They both worked the same problem, but got two different answers. Who is incorrect and explain the error they made?

en she solved for x , Karrie got $x = 0$
e

Amy: x + y = -3 3x + y = 3	x + y = -3 -(3x + y = 3)	When she solved for x , Amy got $x = 3$
	$\begin{array}{r} -2x = -6\\ x = 3 \end{array}$	

Algebra I - Unit 4: Solving Systems by Elimination Day 2

Set up the system, state the best method to use and use that method to solve.

8. The perimeter of a rectangular volleyball court is 180 feet. The court's width, *w*, is half its length, *l*. Determine the dimensions, in feet, of the volleyball court.

9. At Candy's Sweet Shop, Sarah made *c* pounds of chocolate-covered raisins, which sell for \$1.50 a pound, and *y* pounds of yogurt-covered raisins, which sell for \$1.20 a pound. Sarah wants to make 40 pounds of a mixture of the two kinds of raisins that sells for \$1.35 a pound. How many pounds of each kind of raisin is needed to produce the mixture?

10. Three hundred fifty-eight tickets were sold to the school basketball game on Friday. Student tickets were \$1.50 and non-student tickets were \$3.25. The school made \$752.25. How many student and non-student tickets were sold?

11. Carl bought 19 apples of 2 different varieties to make a pie. The total cost of the apples was \$5.10. Granny Smith apples cost \$0.25 each and Gala apples cost \$0.30 each. How many of each type of apple did Carl buy?

Name Period Date

Solve each system of equations below. You must solve for y to use your calculator!

1.	$y = \frac{2}{3}x - 1$	2.	y = -2x + 1	3.	$y = \frac{5}{4}x - \frac{1}{2}$
	y = -x - 4		y = x - 5		$\frac{3}{4}x + y = 2$
4.	y = 6.9x + 12.4	5.	x + y = 0	6.	2x - y = -1
	3.2x + y = 52.8		3x + y = -4		$y - \frac{1}{3}x = -3$

7. Shelby solved the following system of equations and reported that x = 4 and y = 6. Solve the system of equations by graphing. Is she correct? Why or why not. Use the table to justify your answer.

y - x = 2	X	y 1	y 2
4y = 8x - 8			

8. Coach Sureshot needs to hire an electrician to do some repair work at his new home. A-1 Electricians charge \$30 for a service call plus \$45 per hour while Excellent Electricians charge \$40 per hour plus a \$55 service call.

- A) What equation could represent the cost for hiring A-1 Electricians?
- B) What equation could represent the cost for hiring Excellent Electricians?

If the electricians only work for 2 hours, how much will each company charge him?

- C) A-1 Electricians will charge _____D) Excellent Electricians will charge _____

If the electricians have to work for 8 hours, how much will each company charge Coach Sureshot?

- E) A-1 Electricians will charge
- F) Excellent Electricians will charge

When will both companies charge the same amount?

G) For ______ hours, both companies would charge ______.

9. Which graph best represents a solution to this system of equations?

