Na	me:Period:
	Unit 5 Review
	Writing Systems
1.	The perimeter of a rectangle is 84 cm. The length is 4 more than twice the width. Write two equations that would be used to solve the system.
	Variable: length: l. Equation: 2l+2w=84
	Variable: Width: W Equation: L= DW+4
2.	A cash register contains 53 coins worth \$4.40 They are all nickels and dimes. Write two equations that would be used to solve the system.
	Variable: Nickels: n Equation: n+d=53
	Variable: Dimes: d Equation: ,05n + .10d=4.40
3.	McKinney Boyd Theatre sold 210 tickets and collected a total of \$1530 in ticket sales for the Sunday matinee of <i>Peter Pan</i> . Admission was $$12.00$ for adults and $$7.00$ for children. Write two equations that would be used to solve the system.
	Variable: Adults: A Equation: A+C=210
	Variable: Children: C Equation: 12A +7C=1530
4.	At Putt-Putt and games the cost of 2 games of golf and 4 games of pool is \$24.00. The total cost for 3 games of golf and 5 games of pool is \$32.50. Write two equations that would be used to solve the system.
	Variable: Golf: 9 Equation: 29+4p=24
	Variable: $Golf:g$ Equation: $39+4p=34$ Variable: $Pusl:p$ Equation: $39+5p=30.50$
5. cha	Gaby the gabber likes to text messages to her friends using her cell phone. She is arged \$0.10 each time she types a message plus \$50 for the phone plan. She is only bwed to have a bill that is at most \$60. Write an inequality in terms of the number of essages, m, that she can text each billing cycle.
and the second second second	
~ I.	

6. Jimmy started a savings account for an iPhone. He saved \$30 last month and plans to add \$20 each month until he has saved more than \$300. Write an inequality in terms of the number of months, m. that he has to save for the iPhone.

Name:		

Period:	

Unit 5 Review

Solving for y (y = mx + b)

1)
$$3x + 2y = 8$$
 $-3x$
 $-3x$
 $y = -3x + 8$
 $y = -3x + 4$

$$\frac{2x/-3y=-12}{-2x} - \frac{-2x}{-2}$$

$$\frac{-2y}{-3} = \frac{-3}{3} \times \frac{12}{-3}$$

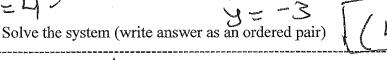
$$y = \frac{3}{3} \times +4$$

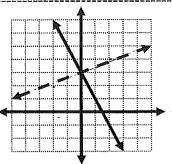
Solve the system (write answer as an ordered pair)

3.

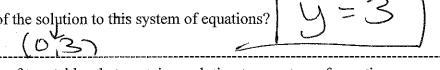
Solve the system (write answer as an order pan, 2 to 2 trace, 5, Enter (3x)

2. 2x+5y=-7 3x-5y=27 3x-5y=27 2x+3y=27 2x+3y=27 2x+3y=27 3x-4y=27 3x-4y=27

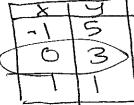




What is the y value of the solution to this system of equations?



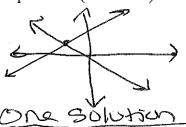
Give an example of two tables that contain a solution to a system of equations..

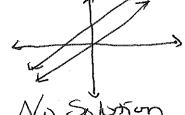


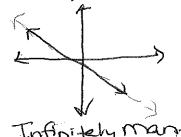


Same X-value same y-value rdifferent store

Show three graphs showing the 3 different possible number of solutions to a system of equations. (label each)







Infinitely many Solanon