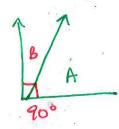
			1	**
Name:		Period:	Date:	+
	Algebra I Pre-AP 6.5			J
Which method would be the most do not solve.	efficient way to solve	the following probl	ems? Explain why	and
1. $3x - 5y = 7$	2.	y = 3x - 24 $5x - y = 8$		)) El
2x + 5y = 13				
almoston bk with addition bk	S. " U	ubstituta b Jis defind In 1st equa	in terms o	f"x"
0				
Determine the best method to solv 3.(5x + 3y = 16) $3.(5x + 3y = 16)$	4. $4x + y = 24$	tions. Then solve th	10. System.  5. $6x - y = -145$ $x = 4 - 2y$ $6(4 - 2y) - y$	1
5x+3y=16 5(2)+3y=16 34x=68 10+3y=16 3y=6 (2,2) 6. Anya makes 14 baskets during he	(4,8)	4x+y=34 $4(4)+y=34$ $y=8$ haskets were worth 3	24-12y-4 24-13y=	2-145 -145 -169 X= 4-24 =4-24
worth 3-points. In total, she scored 3 points baskets she made.  Let $x = \#$ opt baskets  Let $y = \#$ 3 pt. baskets	30 points. Write and sol	lve a system of equat	ions to find how ma	
0		+ *x+3y=	30	
Anya made 2.	- 2pt bashet	s rets	y ' ac	

7. Angles A and B are complimentary angles. Angle A is 3 degrees less than twice angle B. What is the measure of each angle?



2B.	-3+B=90°
3	38-3=90
	3B=93
	B=31°

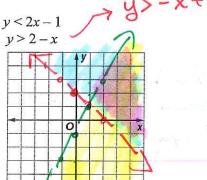
8. How many liters of 15% acid and 33% acid should be mixed to make 40 liters of 21% acid solution?

let x = # liters 15% let y = # liters 33% 33% 33% 33% 33% 33%  $x+y=40 \implies x=40-y$  15x+.33y=.21(40) 15(40-y)+.33y=8.415x+.33y=8.4

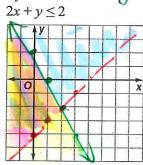
Name:	*	Period:	Date:	
	Algebra I Pre-	-AP 6.5 – 6.6 Quiz		

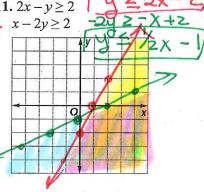
Graph the solution set for the following system of linear inequalities. State a solution and state a non-solution.



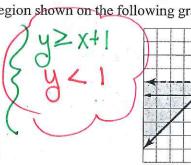


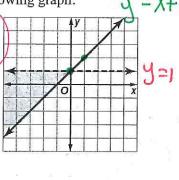
10. y > x - 4 $2x + y \leq 2$ 





12. Write a system of inequalities that represents the solution region shown on the following graph:





13. Diego started an exercise program in which each week he works out at the gym between 4.5 and 6 Diego's Routine hours and walks between 9 and 12 miles.

a. Write a system of inequalities and then graph to show the number of hours Diego works out at the gym and the number of miles he walks per week.

b. List three possible combinations of working out and walking

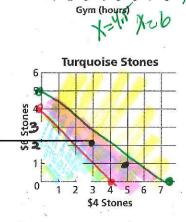
b. List three possible combination that meet Diego's goals.

When the combination of the

(6,11) (6 hr wkout

- Shr whout to hike run

  14. Emily wants to buy turquoise stones on her trip to New Mexico to give to at least 4 of her friends. The gift shop sells stones for either \$4 or \$6 per stone. Emily has no more than \$30 to spend.
  - a. Write a system of inequalities and then graph showing the numbers of each price of stone Emily can purchase



**b.** List three possible solutions.