Name:	

Chapter 3 Test MATH 60 Fall 2007

Read each question carefully, show your work in the space provided, and box your answers. No calculators are allowed. Anyone *suspected* of cheating will get a zero on the exam.

- 1. The percentage of the U.S. population that resides in the country has decreased from 22% in 1980 to about 20% in 1996. (10 points)
 - a) Estimate the percentage of the U.S. population residing in the country in 1988
 - b) Predict the percentage of the U.S. population residing in the country in 2000

Fill in the t-chart and graph for each equation. (10 points each)

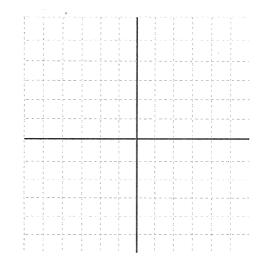
2.
$$y = \frac{1}{2}x + 1$$

3.
$$8y + 2x = -4$$

		_
	,	17
	1	
\underline{x}	1)	:
\mathcal{A}	1 <i>y</i>	
-		
-1	İ	1
-	i	
		- 4
	Į.	
		4 -
\wedge		1
0		- 1
•		1
		4"
		- 1
		1-
- 1		- 1
1		
		- 2
	1	_
		- 6
		- 1
		1.0
		- 1
		j
		·
		- 1
		; ; ;

							9.00		3 " " "		
				1		ı					-
				1	,		1				
				1		i	-				1
		in a se		1	- 1	3	1				
				3	mile or mile			a bar war a	dan ara		
				1		1					
				ì		1	1				
					,	i .		5			
					and the same of	1		- ;	·		
1					1				1		1
				1			1				
					- in						
3			:								
1	:			1		ě			5		
				1	4						:
		:				I	i	1	2		
	:			1					1		
5					3	ı	1	1	2	-	
i									1		
		:		3	3				1		:
1	1			1			1	1	1		
5				ŧ	4	1	i	3			:
-	·	-	_	-							<u> </u>
1				3				1	1	-	:
				3						:	
					7						:
						l	1		i		1
					,						
							1	3			
	1	:	4	4						:	
				1			Section 2	Acres 6	do no		
						l	1	1	,	:	
						ł				:	
			:			ı	1	1			
;							9		· · · · · ·)	
	:		1				ž.	2	1		
5	:	:	:	ŧ		ı		1	£	:	1
f				1		•		1	3	:	
	4			3					ý		
			:			1	1	1	f	:	
5			:	1	5	ě	1	:			
							÷		4		
1	2		:	1	3	5	1	:	:		
			:		f	Į.	1	÷	5		

x	y
-1	
0	
1	



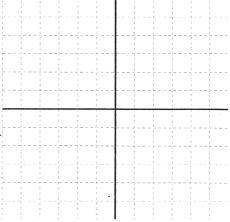
Write a point-slope equation for the line with the following two points (5 points each)

$$5. (-5, -1), (2, 3)$$

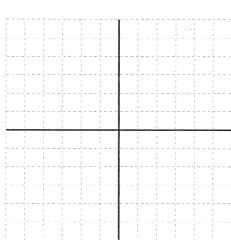
3. T		
Name:	•	

Find the intercepts for each equation then graph (10 points each)

6.
$$6x + 9y = 18$$



7.
$$-3x = 6y - 2$$

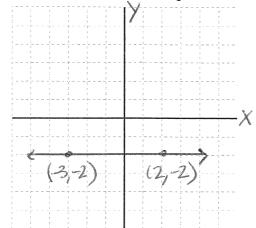


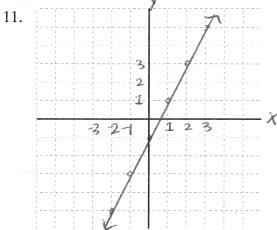
Write a slope-intercept equation for the line with the following two points (10 points each) 8. (6, -4), (0, 2) 9. (-1, 2), (8, -2)

Name:	

Find the equation which corresponds to the graphed line. (5 points each)

10.





Extra Credit: (5 points)

How do office hours work and where are they held for this class?