Name:		Date:					
	Learning Goal 4.2	I can graph and describe linear relations.					
There are 3 way 1.	rs to represent a line for	graphing	1				

3.

2.

Example 1 Graph the following lines on the grid provided.

$$y = 3x + 2$$
 $y = \frac{1}{3}x + 2$ $y = -3x - 4$ $y = -\frac{1}{3}x - 4$

Example 2 Graph the following lines on the grid provided.

x + 4v = 8	4x + y = 8	x + v =	x + v =	:
	2	//		

Example 3 Graph the following lines on the grid provided.

$$y-2 = \frac{1}{2}(x-6)$$
 $y+2 = \frac{1}{2}(x+6)$ $y-2 = -2(x-6)$ $y+2 = -2(x+6)$

Example 4 Graph the following lines on the grid provided.

$$y - 2 = 0$$
 $y = -2$ $x + 3 = 0$ $x = 3$

Chapter 9

Example _____

								10 V									
								9-									
								7									
								6									
								5-									
								4-									
					_			3-									
								2	 								
								1-	 								
		1 1						I I			1					1	
-10 -9	9 -8	-7 -6	5 -5	-4	-3	-2	2 -	1 0		2	3	4	5	6	7	8 9	9 10
- 10 -€	9 -8	-7 -6	6 -5	-4	-3	-2	2 -	1 0		2	3	4	5	6	7	8 9	9 10 x
-10 -€ 	9 -8	-7 -6	5 -5	-4	-3	-2	2 -	1 0 		2	3	4	5	6	7	8 !	9 10 <i>x</i>
-10 -9	9 -8	-7 -6	5 -5	-4	-3	-2	2 - 1	1 0 1- 2- 3-		2	3	4	5	6	7	8 9	9 10 <i>x</i>
-10 -9 	9 -8	-7 -6	6 -5	-4	-3	-2	2	1 0 		2	3	4			7	8	9 10 <i>x</i>
-10 -9	9 -8	-7 -6	6 -5	-4	-3		2	1 0 		2	3				7	8	
-10 -9	9 -8		6 -5	-4	-3		2 - ~	1 0 		2	3				7		
-10 -9	9 -8		5 -5	-4	-3		2 - ^	1 0 1- 		2	3						
-10 -9	9 -8		5 -5	-4	-3		2 - ^	1 0 1- 2- 3- 		2	3						

Example _____

