Identify the <u>Domain and Range</u> and determine if the <u>relation</u> is a function.

NO

1. (-1,5), (2,3), (3,4), (2,7)

Domain:_____

Range:_____

YES

2. (1,1), (2,3), (4,7), (5,9)

Domain:_____

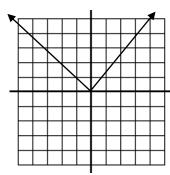
Range:_____

YES NO

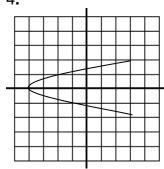
(Circle one)

Use the <u>vertical line test</u> to determine if the following graphs are functions.

<u>ე</u>



4.



YES NO

(Circle one)

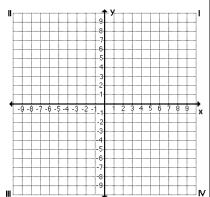
YES NO

(Circle one)

Identify the slope and y-intercept, then Graph the equation.

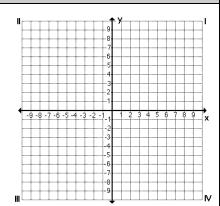
5.
$$y = -3x + 1$$

X	у



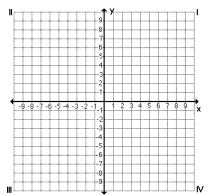
6.	$y = \frac{2}{3}x -$	2
----	----------------------	---

3	
X	у
0	
3	
6	



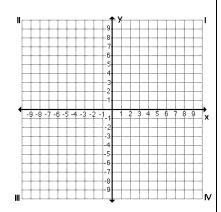
7.
$$y = -2x - 2$$

X	У



8.
$$y = x + 8$$

X	у



9. y = -x

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v	V	"]		
X	y	ļļļ		
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		-9-8-/-1	3-5-4-3-2-1-1 1 2	3430/
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		}		
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10. x = 7 (Is this a HEY or VEX?)

X	у

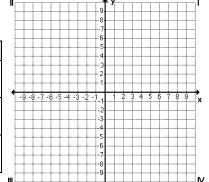
-9 -8 -7 -6 -5 -4 -3 -2 -1 -1 2 3 4 5 6 7 8 9 x

11. y = -5 (Is this a HEY or VEX?)

1			x	_
		4		
-			Ĭ	
		7 8		
9.	-6- -5-	-1	-2 -3 -4	-6 -7 -8
		-2		
				_
у				
X				
I				

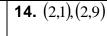
12.
$$y = \frac{1}{4}x - 1$$

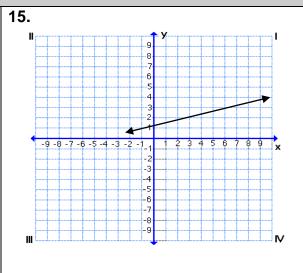
X	У
0	
4	
8	



Find the slope of the line passing through the given points and describe the line as Rising, Falling, Vertical or Horizontal. $m = \frac{y_2 - y_1}{x_2 - x_1}$

13. (-2,1), (6,-9)





Find the value of k so that	t the line through the gi	ven points has the g	iven slope.	
16. (1, 0) and (3, <i>k</i>), <i>m</i> =4				
Find the average rate of change in <i>y</i> relative to <i>x</i> for the ordered pairs. Include the units of measure for the rate of <i>Change</i> in <i>y</i>				
change. Rate of change=	change in x			
	Change III x			
	eter showed 15 miles			
	dometer read 180 m			gas left. What was
your <u>car's</u> averag	ge miles per gallon? (Hint: Let x=gallon	is and y=miles)	
18. The slope of a h	norizontal line is:			
To: The diope of a f	ionzoritai iirio io.			
A. No slope	B. Positive	C. Negative	D. Zero	E. None
19. The slope of a ve	ertical line is:			
F. No slope	G. Positive	H. Negative	I. Zero	J. None
		- y		
20. True or False?				
			_	
A vertical line is a function.				
	True	or F	alse	
		-		
		(Circle one!)		