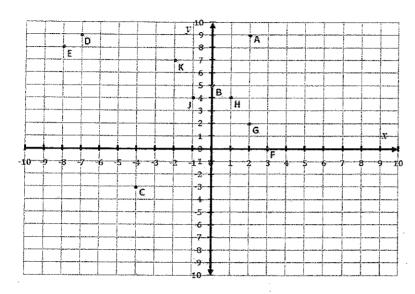
Tables and Graphs

Name Key

The Coordinate Plane

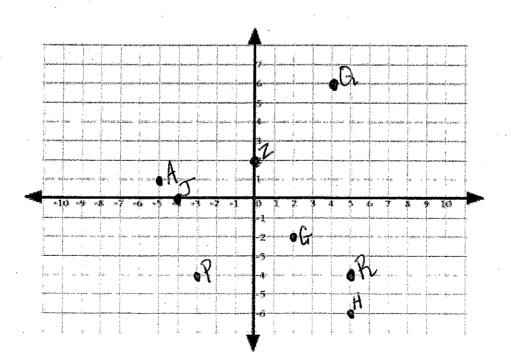
Directions: Identify the ordered pair and circle the quadrant of the points.



- 1. A(2,9) (1,)11, 111, 11V
- 2. B (0, 5) (I) II, III) IV y-axis
- 3. F (3,0) () HILLY X-QXIS
- 4. C(-4,-3), I, IIII, IV
- 5. E<u>(-8, 8)</u>, I(II)III, IV
- 6. G(2,2) (1,111, 111, 1V
- 7. D(-7.9), I,(II)III, IV

Directions: Graph the following ordered pairs on the coordinate plane.

10.
$$Z(0, 2)$$

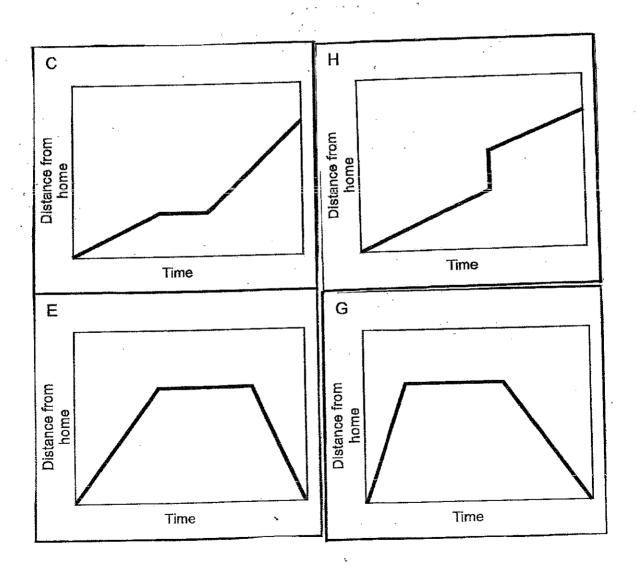


Interpreting Graphs

Interpreting Graphs

Directions: Match the letter to the corresponding description.

- 1. _____Tom ran from his home to the bus stop and waited. He realized that he had missed the bus so he walked home.
- 2. E Opposite Tom's home is a hill. Tom climbed slowly up the hill, walked across the top, and then ran quickly down the other side.
- 3. Tom walked slowly along the road, stopped to look at his watch, realized he was late, and then started running.
- 4. This graph is just plain wrong. How can Tom be in two places at once?



Directions: Complete the function table and graph.

1. 44	1.	2x	+ 2
-------	----	----	-----

	<u> </u>		,
Input	Rule	Output	Ordered
X_	axta	4_	Pair (X, L
-1	2-1+2	Ŏ	(-1,0)
0	20+2 0+3	2	(0,2)
	21+2	4	(1,4)
2	22+2	6	(2,6)

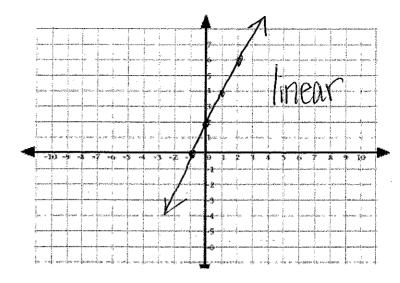
2 x + 3

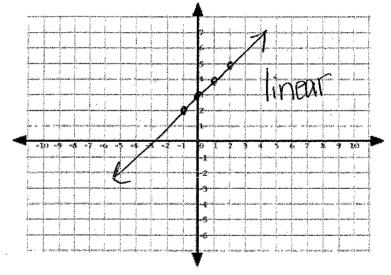
Z. X			
Input	Rule	Output	Ordered Pair
~	-1+3	2	(-1,2)
0	0+3	3	(0,3)
	1+3	#	(1,4)
J	2+3	5	(2,5)

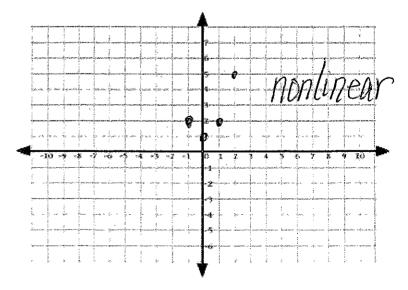
3. $x^2 + 1$

3. X	T 1		•
Input	Rule	Output	Ordered Pair
~ [(1);	2	(1,2)
D	02+1	l	(0,1)
		2	(J,λ)
J	28+1	5	(2,5)

Linear or Non-linear







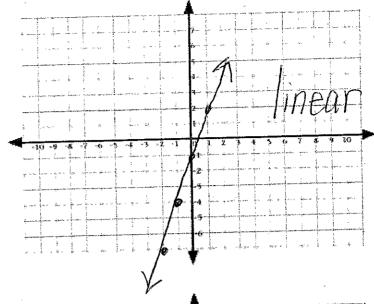
Linear or nonlinear Directions: Complete the function table

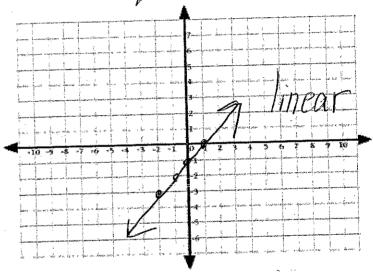
and	graph.
-----	--------

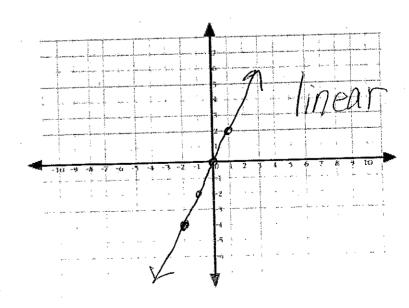
7,	a grapu			
	Input	Rule	Output	Ordered
1				Pair
	X	3x-1	y	(x, y)
	-2	3-2-1	-7	(-2.7)
	-1	3-1-1	-4	(-1,-4)
	0	3.0-1	- [(0,-1)
	1	3.1-1	2	(1,2)

Input	Rule	Output	Ordered Pair
х	x-1	у	(x, y)
-2	-2-1	-3	(-2,-3)
-1	-1-1	-2	(-1,-2)
0	0-1	-	(0,-1)
1	1-1	0	(I,D)

Input	Rule	Output	Ordered Pair
х	₹ 2x	у	(x, y)
-2	2-2	-4	(-2,-4)
-1	21	-2	(-1,-2)
0	2.0	0	(0,0)
1	2.1	2	(1, 2)







State whether each sequence of y-values is arithmetic or geometric. Then find y when n = 5.

1.)	n	1	2	3	4	5
	y	14 ,2	28 *2	56 _{xa}	112, 2	224
geometric						

2.)

n	1	2	3	4	5
у	4	8	12	₩ 16	20

arithmetic

Write a function that describes each sequence.

1.) 12, 24, 36, 48, ...

n	Rule	у
	- 12	12
2	2 - 12	24
3	3.12	36
H	4.12	48

2.) 13, 14, 15, 16, ...

 ,, ,		
n	Rule	. y
والمعالم المعالم	1 + 12	13
2	2+12	ened Negative
3	3 + 12	15
4	4+12	naise Garage