Find the values for y by substituting 1, 2, 3, 4, and 5 for x. Complete the tables, write ordered pairs, then graph.

$y = x + 3$

x	1	2	3	4	5
y					

ordered pairs:

(1,)

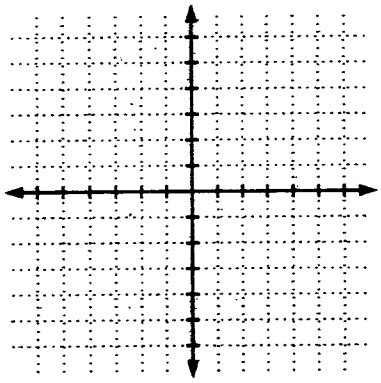
(2 ,)

(3,)

(4,)

(5,)

graph:



$y = x - 2$

x	1	2	3	4	5
y					

ordered pairs:

(1,)

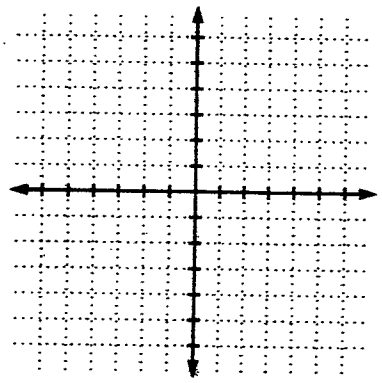
(2,)

(3,)

(4,)

(5,)

graph:



Do the ordered pairs appear to lie on a straight line? _____

What do you call relationships that graph on a straight line?_____

Diane walks at a rate of 10 miles per hour. Make a table of values for the distances (d) she will travel after walking (h) hours.

hours (h)	1	2	3	4	5
distances (d)					

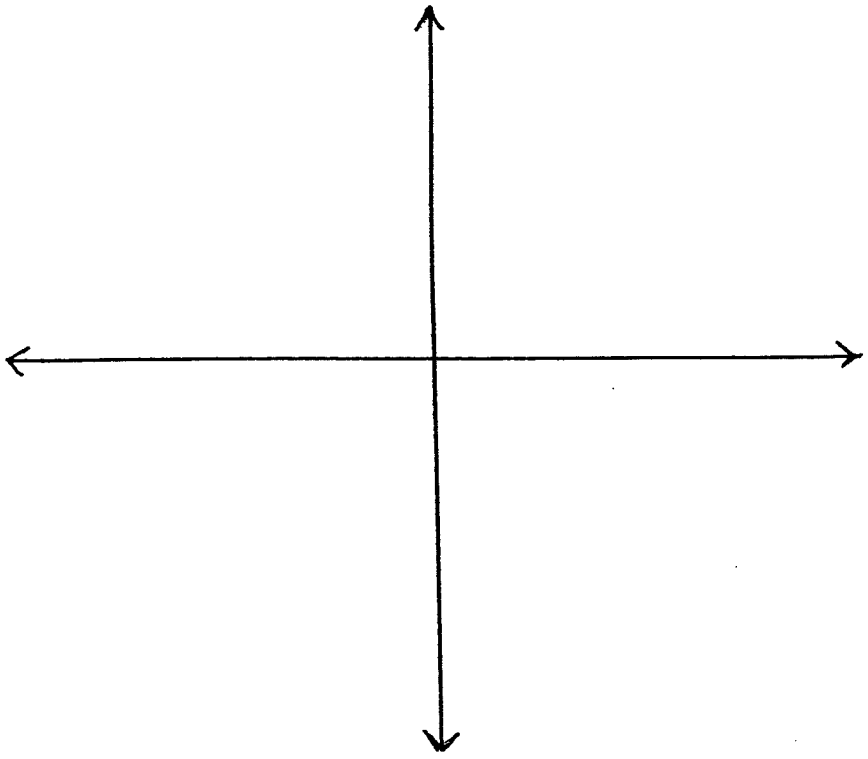
Write an equation relating h and d.

d = _____

Will the graph be a straight line?_____

Algebra I
Notes 1.5 Representing Linear Functions by Graphs

Objectives:
- Identify and graph ordered pairs.
- Use a graph to find a solution to a linear function.



(x , y)

Graph and label these ordered pairs.

A (5, 4)

B (3, -2)

C (6, 0)

D (-1, 7)

E (-5, 4)

F (-4, -5)

G (0, -4)

H (-2, -6)