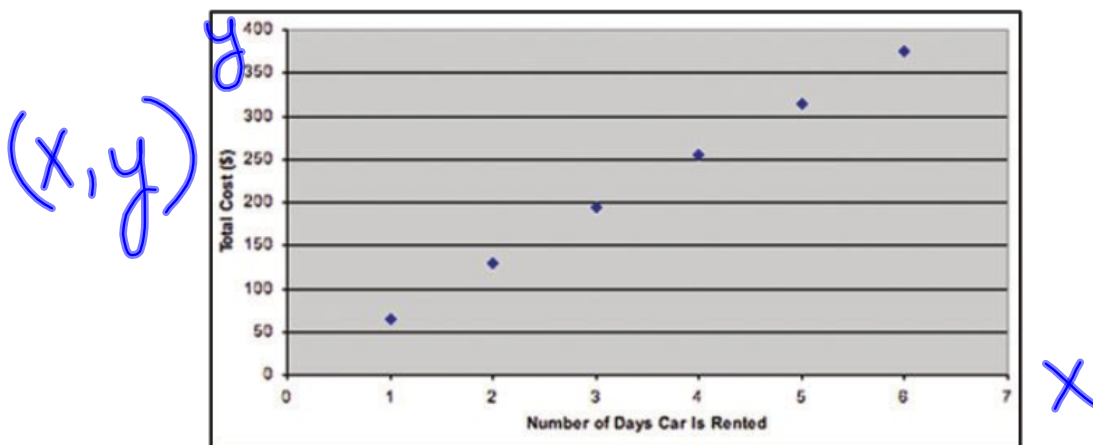


Compare the Graph with the Ordered Pairs!!

First set represents the number of days the car is rented.
Second set represents the total cost of renting the car.
{ (1, 65) , (2, 130) , (3, 195) , (4, 255) , (5, 315) , (6, 375) }



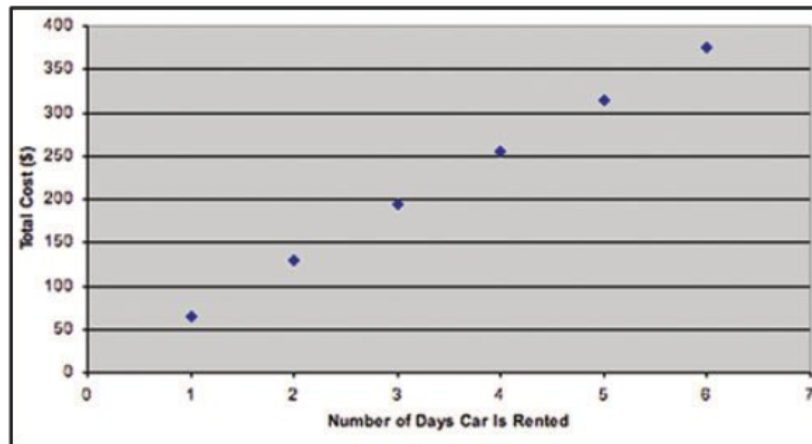
What do you notice?

They are the same as the points on the graph.

Take a look at Domain & Range!!

Domain {1, 2, 3, 4, 5, 6}

Range {65, 130, 195, 255, 315, 375}



What do you notice?

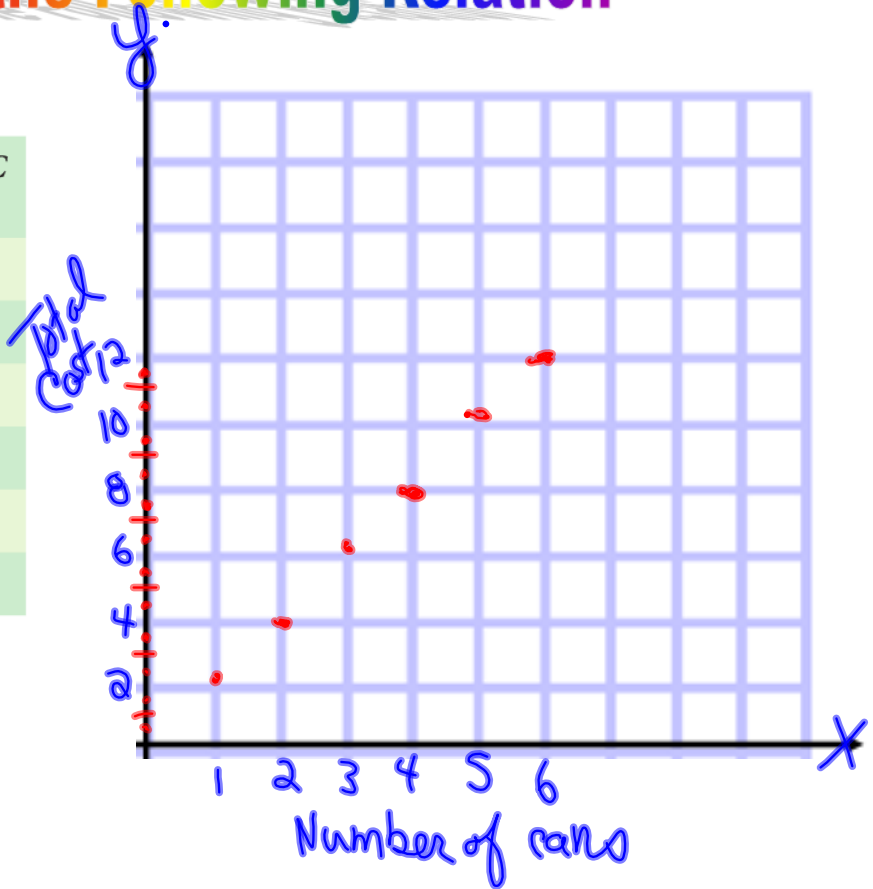
Domain : represents the values of x (limits on x)

Range: represents the values of y (limits on y)

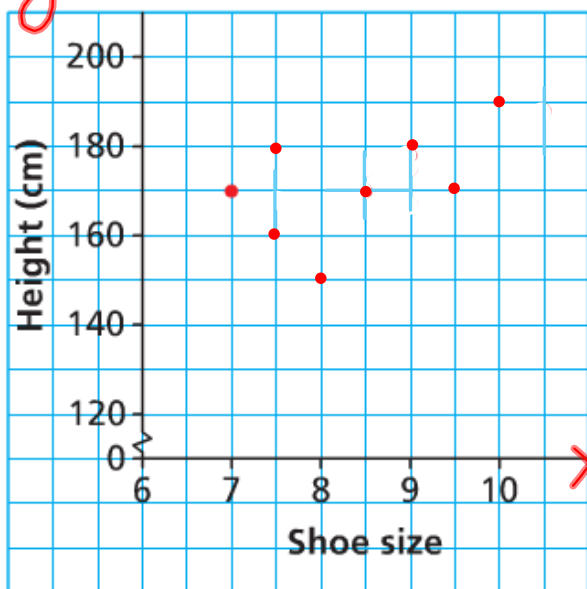
Graph the Following Relation

(x, y)

| Number of Cans of Juice Purchased, n | Cost, C (\$) |
|--|----------------|
| 1 | 2.39 |
| 2 | 4.00 |
| 3 | 6.39 |
| 4 | 8.00 |
| 5 | 10.39 |
| 6 | 12.00 |



y Height against Shoe Size



a) State the domain & range.

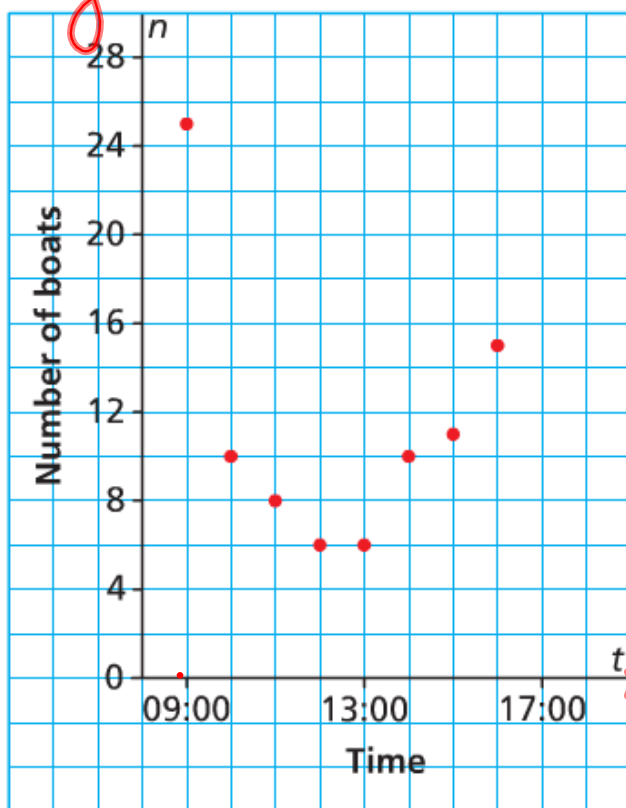
b) Is this relation a function?

Non function

c) Why are the points not connected? Explain.

Domain: $\{x \mid 7, 7.5, 8, 8.5, 9, 9.5, 10\}$
Range: $\{y \mid 150, 160, 170, 180, 190\}$

Number of Fishing Boats
Anchored in an Inlet



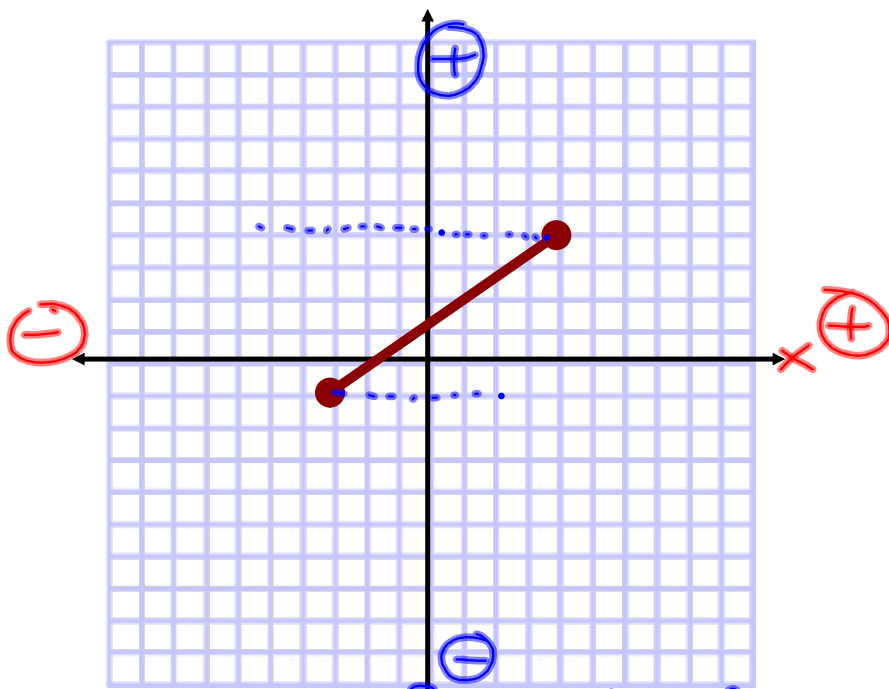
a) State the domain & range.

b) Is this relation a function

Function

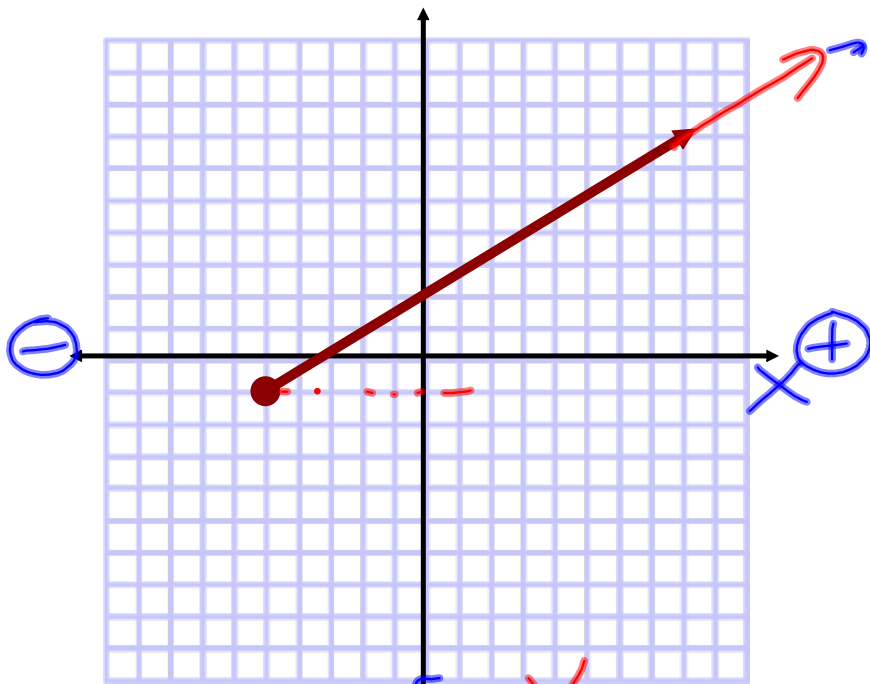
c) Why are the points not connected? Explain

*Domain $\{x \mid 9, 10, 11, 12, 13, 14, 15, 16\}$
 $9 \leq x \leq 16, x \in \mathbb{I}$
 Range $\{y \mid 0, 6, 8, 10, 11, 15, 25\}$*



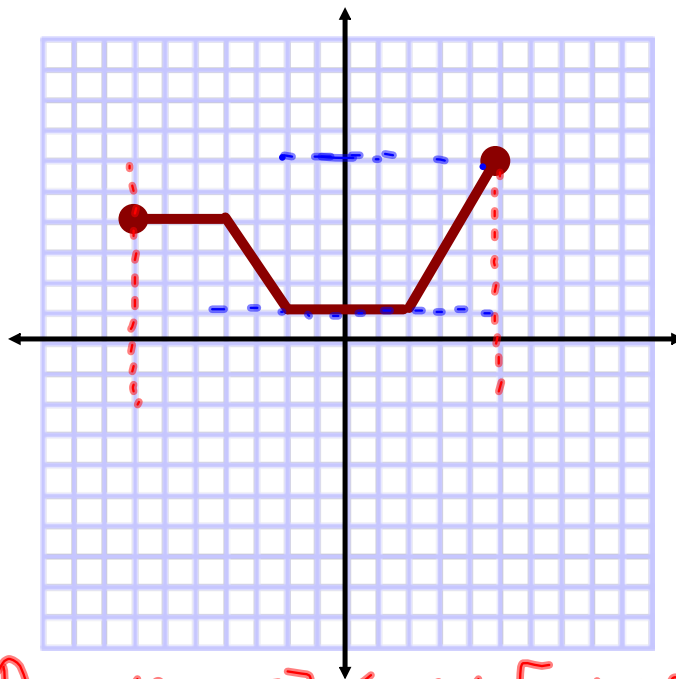
Domain: $-3 \leq x \leq 4, x \in \mathbb{R}$
Range: $-1 \leq y \leq 4, y \in \mathbb{R}$

\mathbb{R} -Real

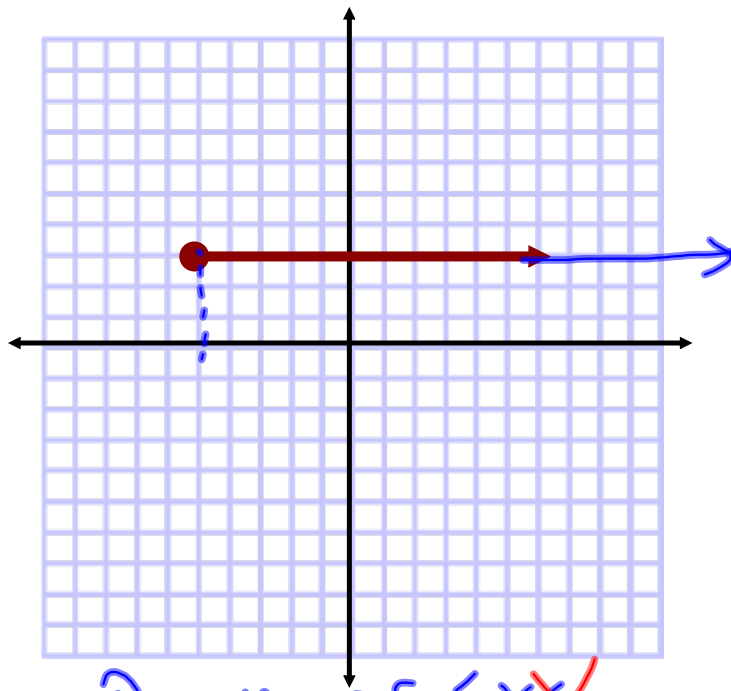


Domain: $-5 \leq x$
 $x \geq -5, x \in \mathbb{R}$

Range: $-1 \leq y$
 $y \geq -1, y \in \mathbb{R}$

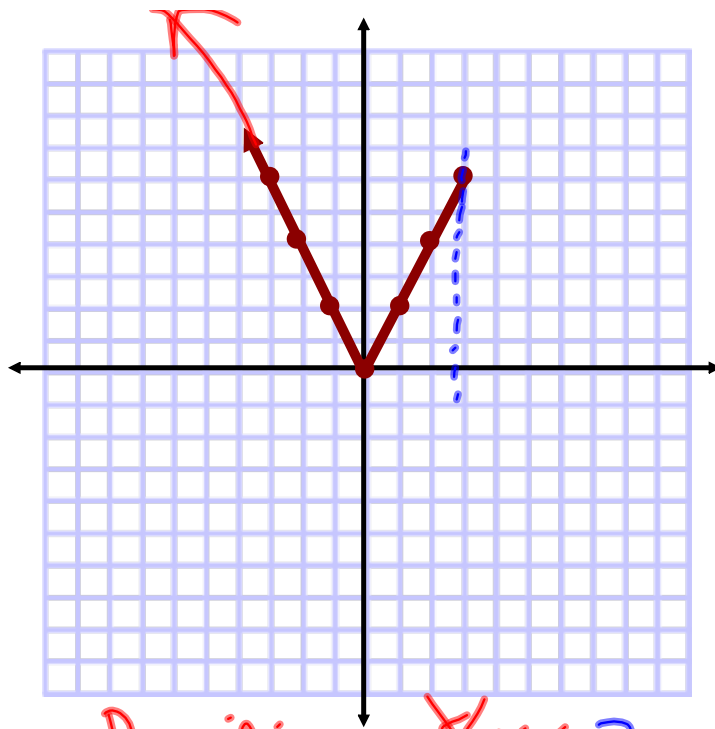


Domain: $-7 \leq x \leq 5, x \in \mathbb{R}$
Range: $1 \leq y \leq 6, y \in \mathbb{R}$



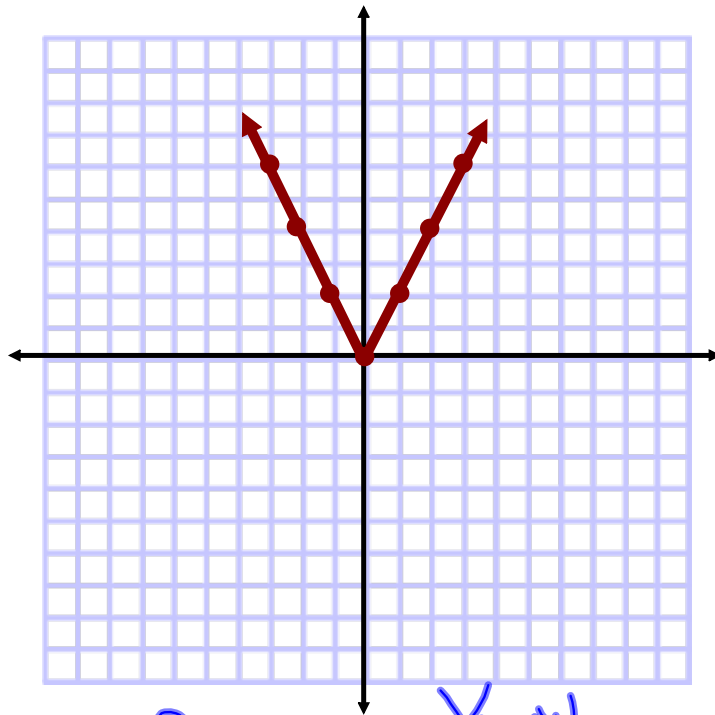
Domain: $-5 \leq x$
 $x \geq -5, x \in \mathbb{R}$

Range: $y = 3$

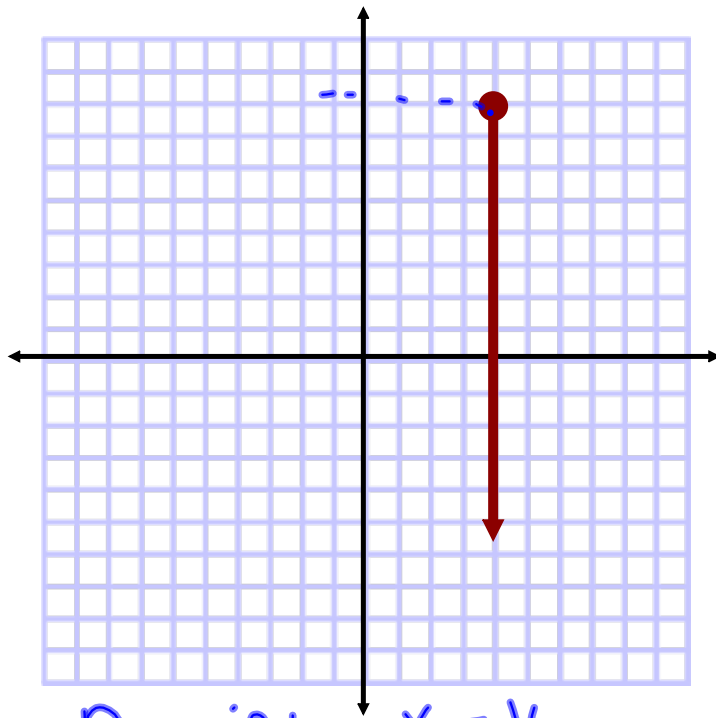


Domain: ~~$x \leq 3$~~
 $x \leq 3, x \in \mathbb{R}$

Range: ~~$0 \leq y$~~
 $y \geq 0, y \in \mathbb{R}$



Domain ~~$x \in \mathbb{R}$~~
 $x \in \mathbb{R}$
 Range ~~$0 \leq y$~~
 $y \geq 0, y \in \mathbb{R}$



Domain:
Range:

$$x = 4$$
$$y \leq 8$$
$$y \leq 8, y \in \mathbb{R}$$