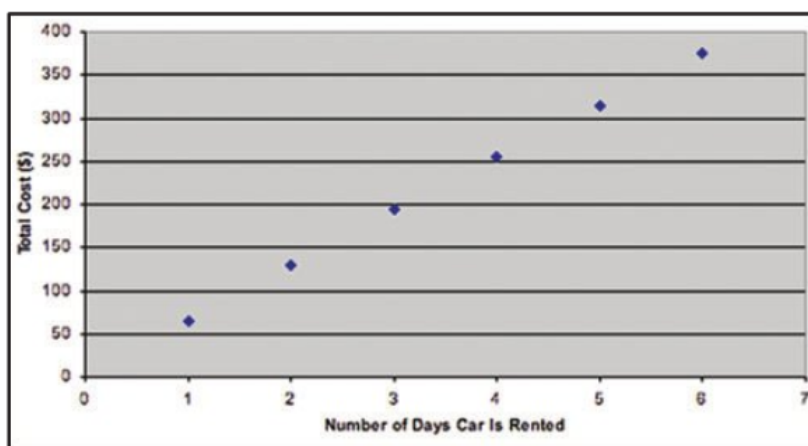


Compare the Graph with the Ordered Pairs!!

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



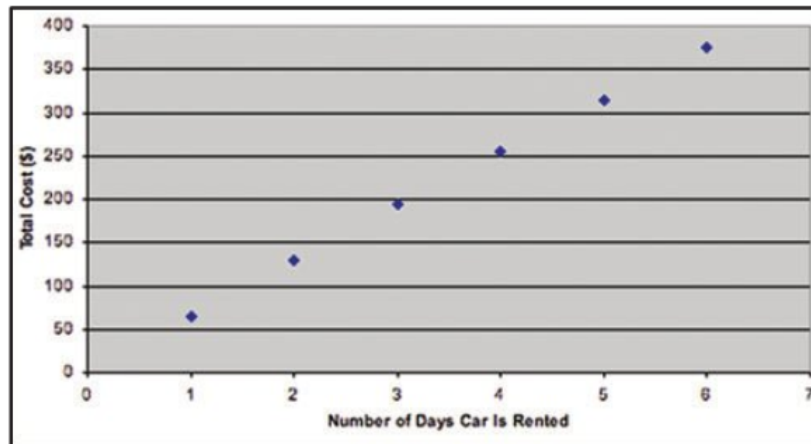
What do you notice?

They are the same as the points on the graph.

Take a look at Domain & Range!!

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

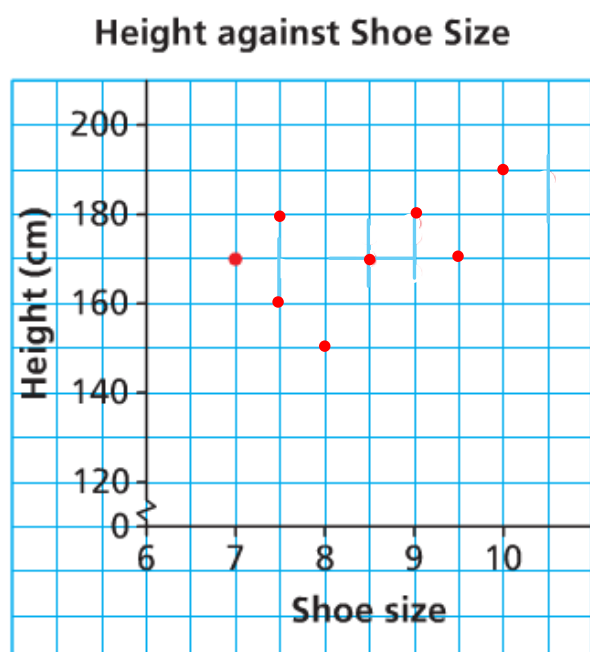
Range {65, 130, 195, 255, 315, 375}



What do you notice?

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

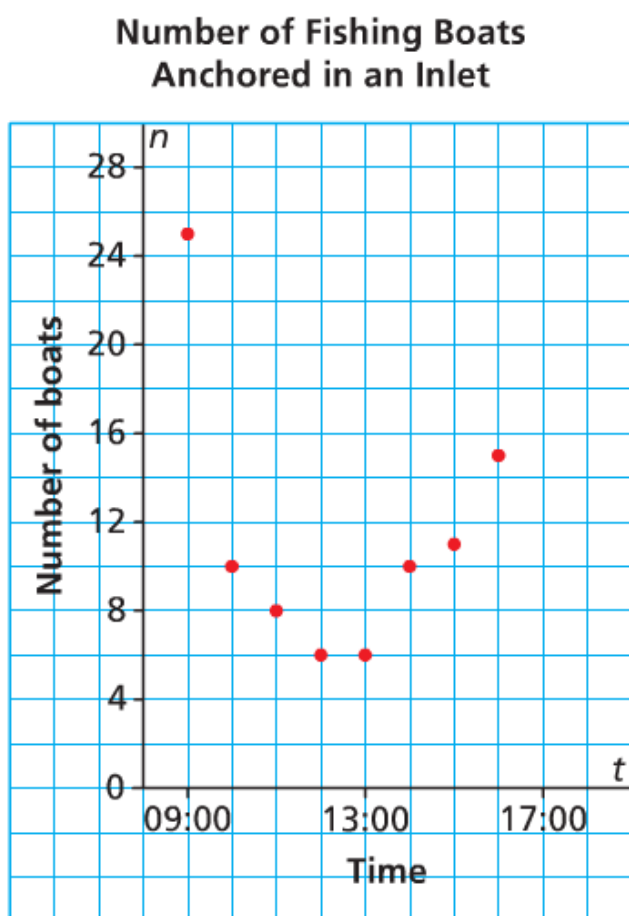
Range: represents the values of y (limits on y)



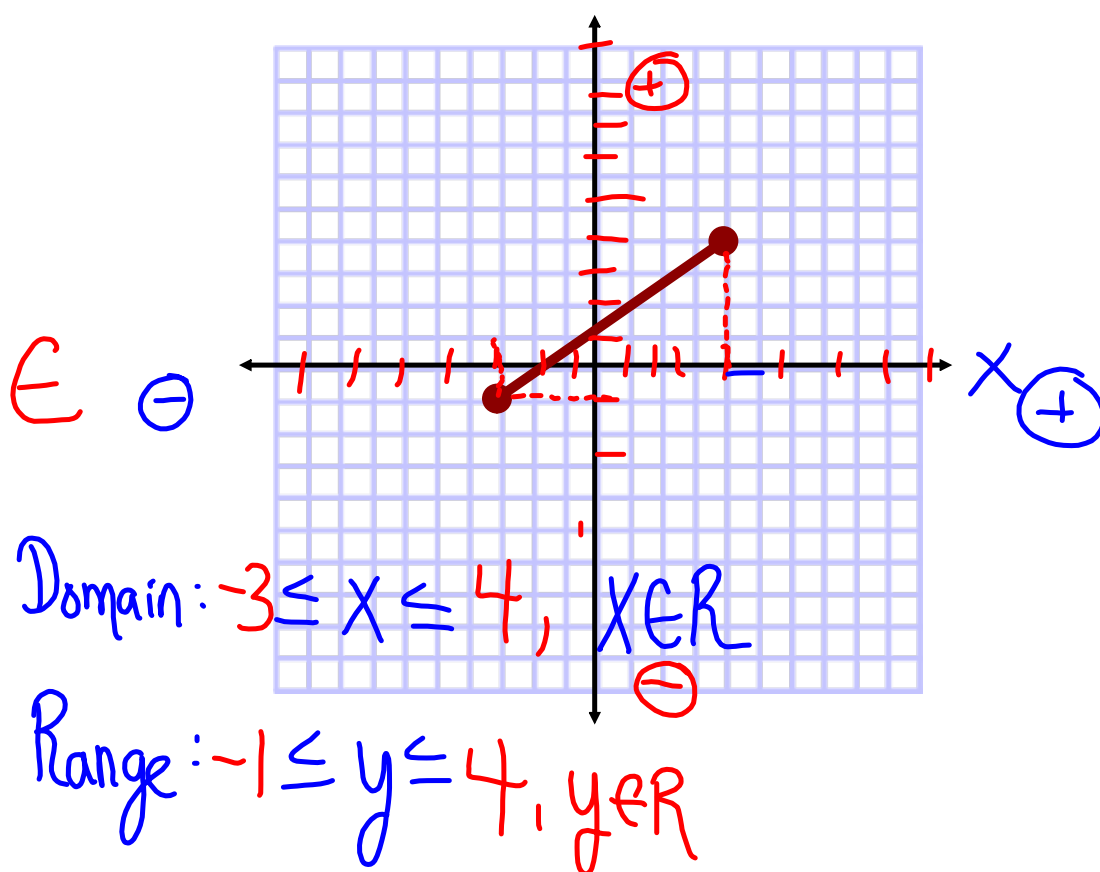
a) **State the domain & range.**

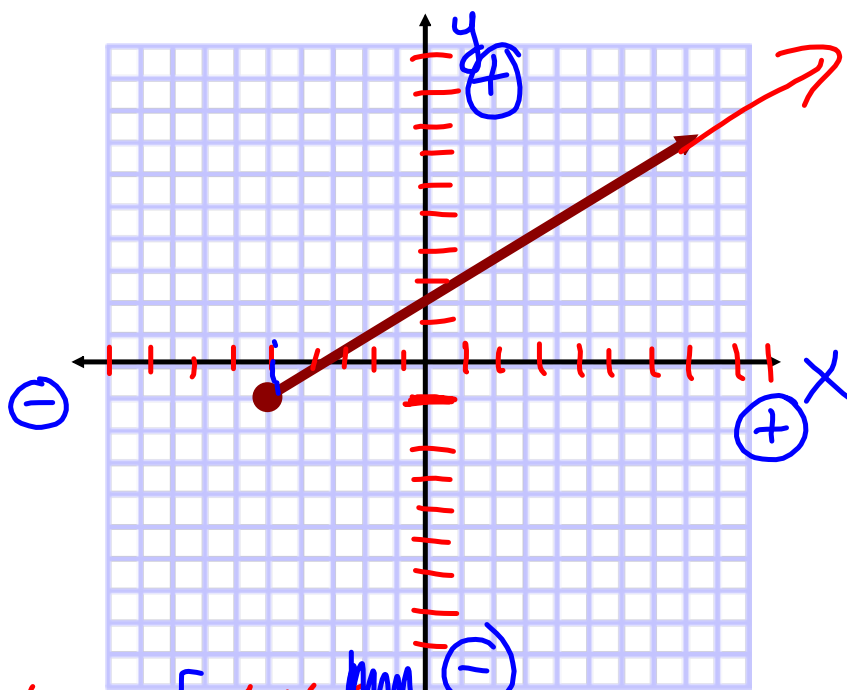
b) **Is this relation a function?**

c) **Why are the points not connected? Explain.**



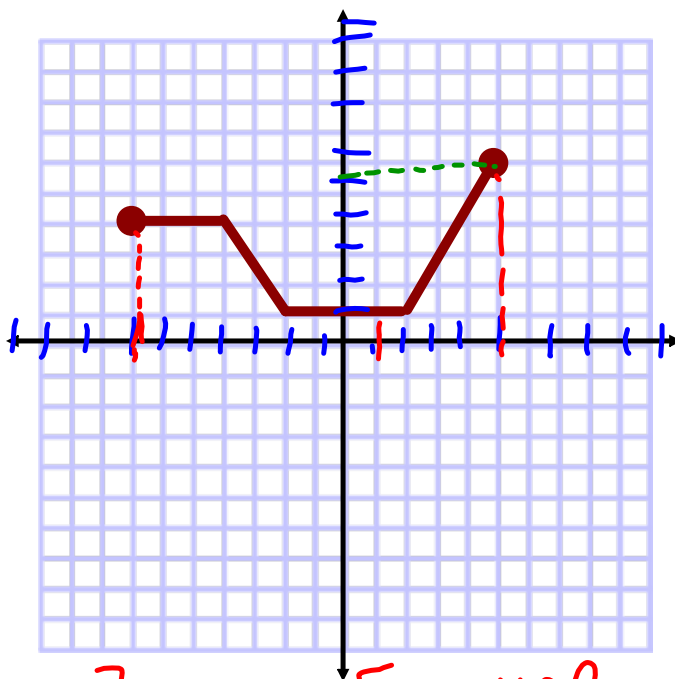
- a) State the domain & range.
- b) Is this relation a function
- c) Why are the points not connected? Explain



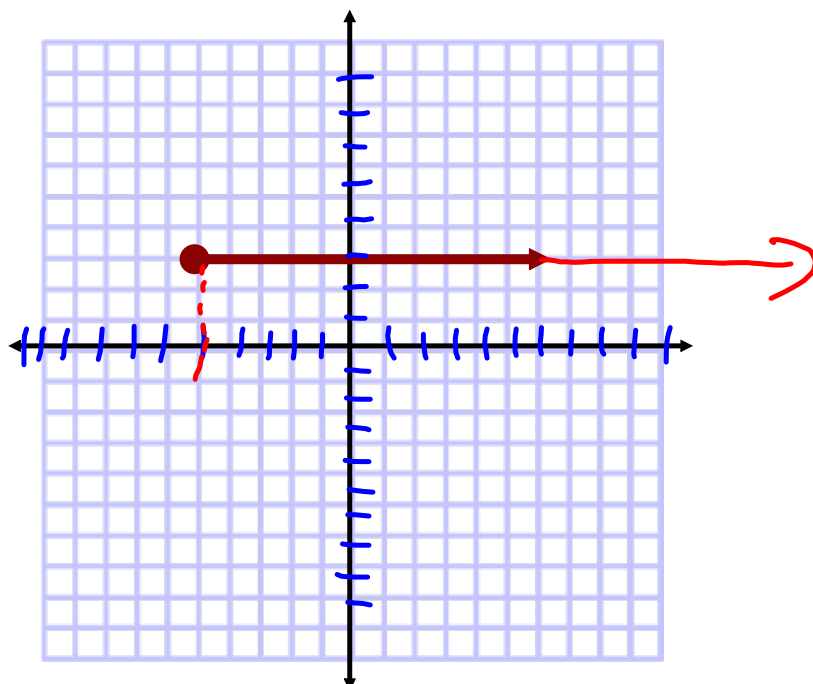


Domain: $-5 \leq x$ ~~and~~
 $x \geq -5, x \in \mathbb{R}$

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

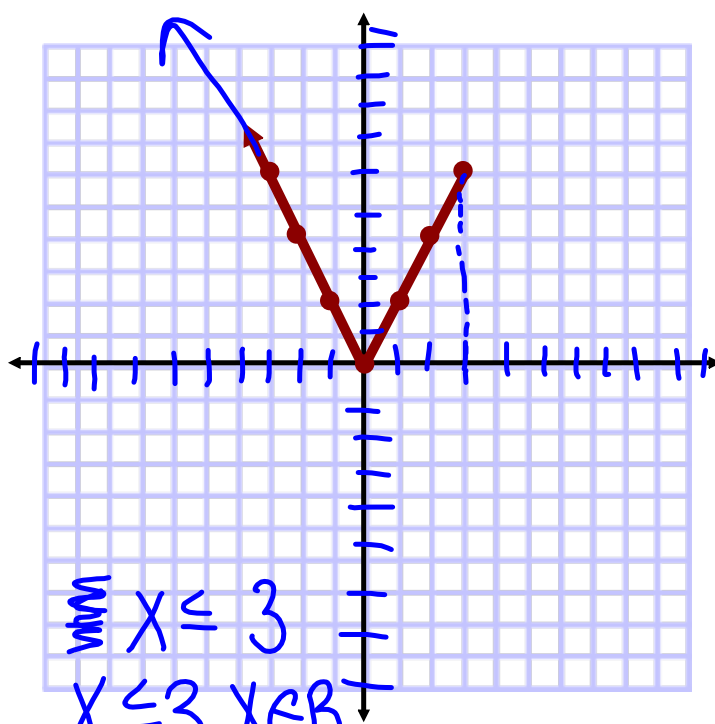


Domain $-7 \leq x \leq 5, x \in \mathbb{R}$
Range $1 \leq y \leq 5, y \in \mathbb{R}$



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

Range $y = 3$
 $y \in \mathbb{R}$



Domain:

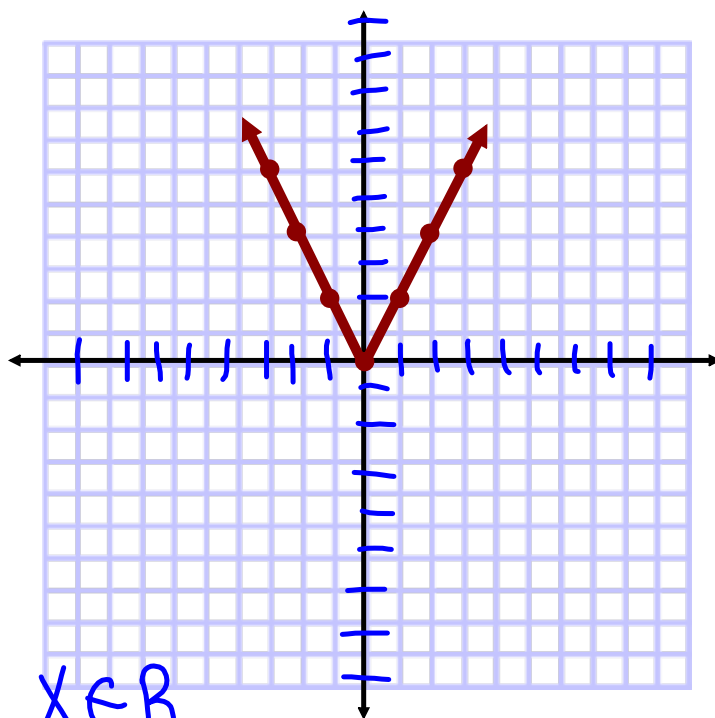
$$x \leq 3$$

$$x \leq 3, x \in \mathbb{R}$$

Range:

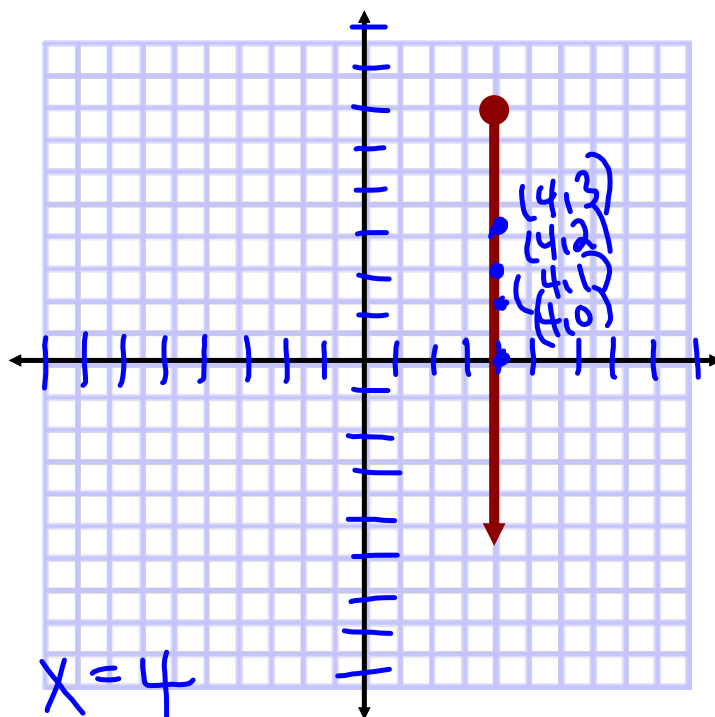
$$0 \leq y$$

$$y \geq 0, y \in \mathbb{R}$$



Domain: $x \in \mathbb{R}$

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

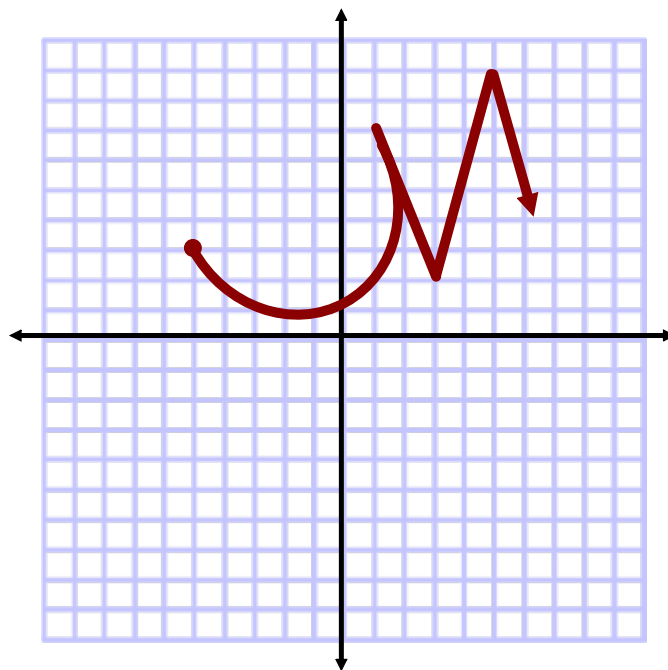


Domain:

$$x = 4$$

Range

$$\{y \mid y \leq 6, y \in \mathbb{R}\}$$



Assignment

Page 294 #4, 6, 7, 8, 9, 10, 11, 12, 14

Graph the Following Relation

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

