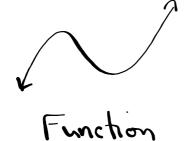
To rent a car for less than one week from Ace Car Rentals, the cost is \$65.00 per day for the first three days, then \$60.00 a day for each additional day.

independent X	dependent
range of the second	Total Cost (\$)
1	65
2	130
3	195
4	255
5	315
6	375

a) Represent this relation as a set of ordered pairs.

b) State the domain & Range.

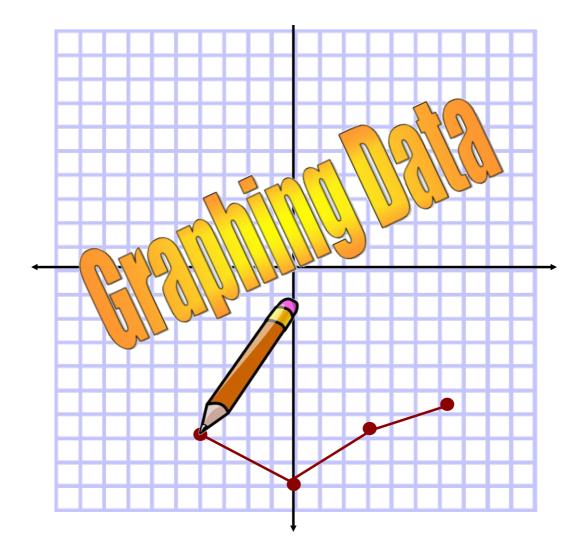
c) Is this relation a function?





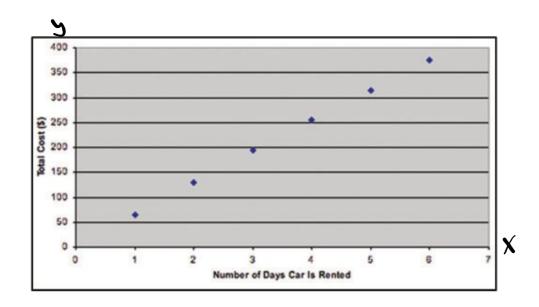
{ (2,1), (-1,3), (1,5), (3,7)}
No reprtition in x-values

function



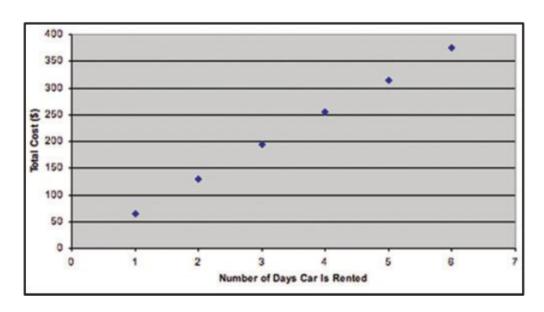
Compare the Graph with the Ordered Pairs

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



Take a look at the Domain and Range

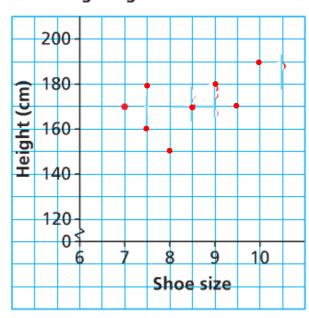
Domain {1, 2, 3, 4, 5, 6} Range {65, 130, 195, 255, 315, 375}



What do you notice?

Domain: represents the values of x (limits on x) **Range**: represents the values of y (limits on y)

Height against Shoe Size



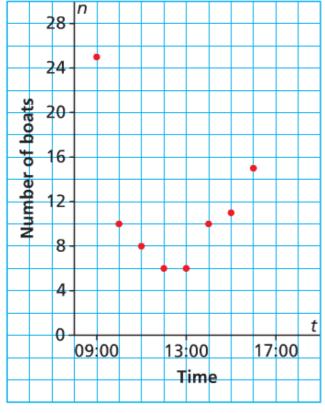
a) State the domain & range.

b) Is this relation a function?

c) Why are the points not connected? Explain.

Shoe sizes are made in only full or half sizes

Number of Fishing Boats Anchored in an Inlet



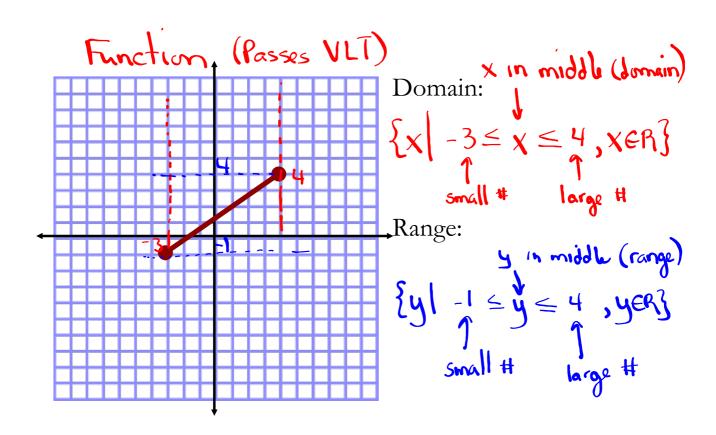
a) State the domain & range.

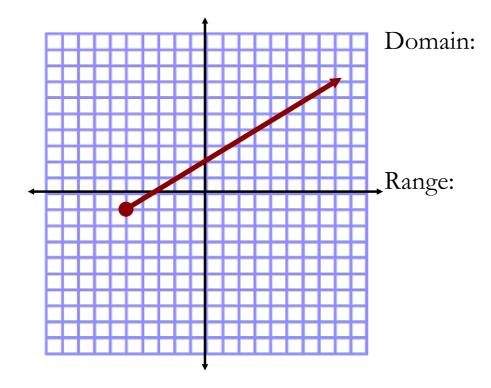
b) Is this relation a function

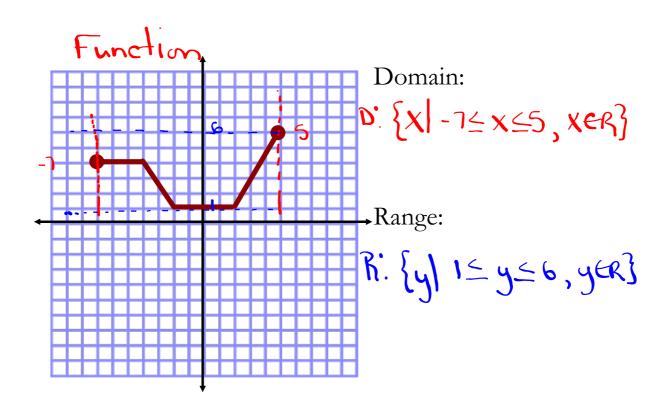
yes because there is no repitition in the xvalues

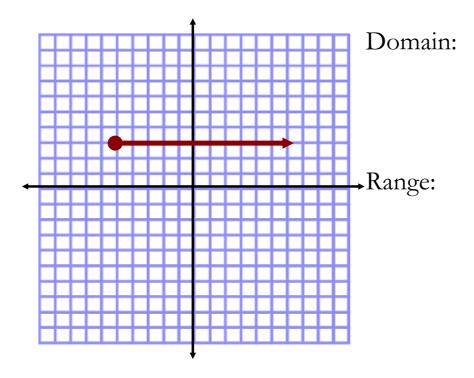
c) Why are the points not connected? Explain

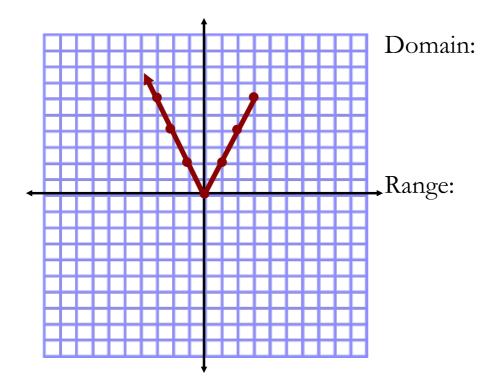
You cannot have half (or a fraction) of a boat.

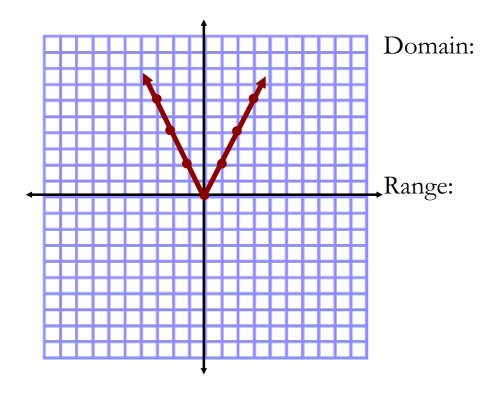


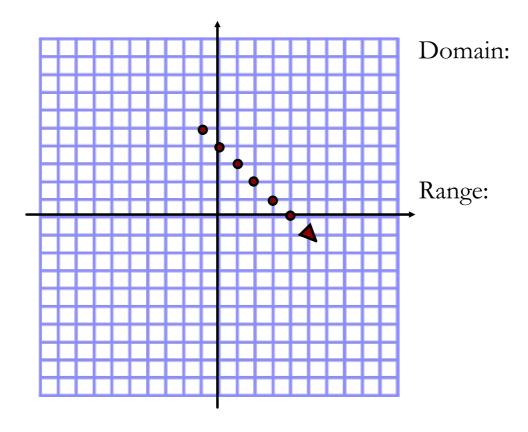


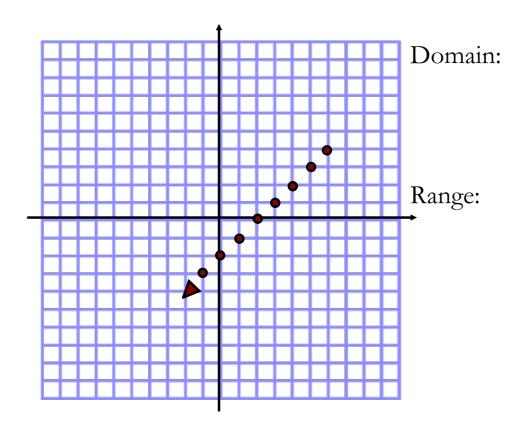


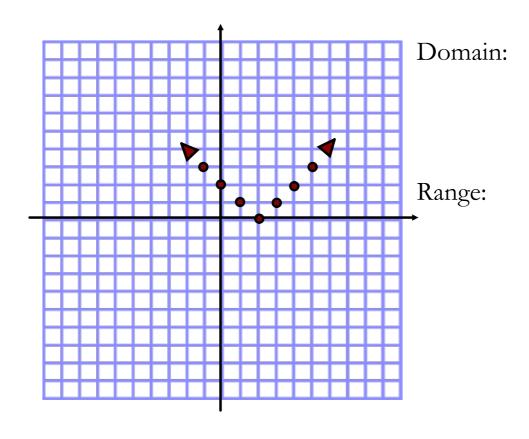


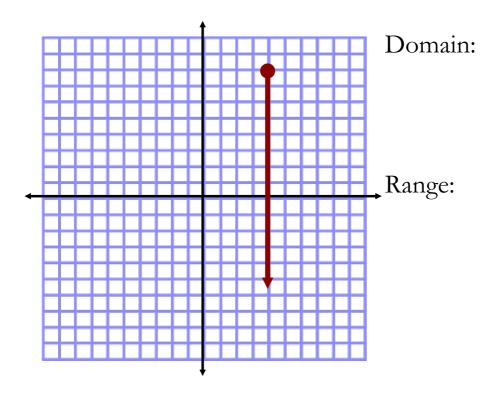


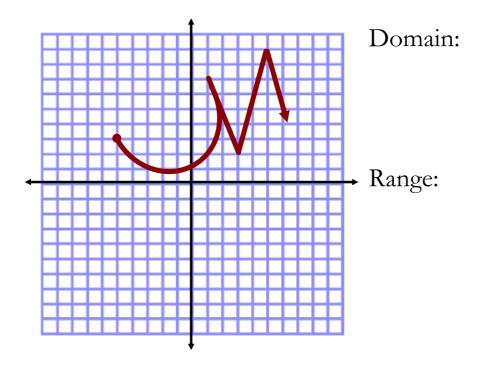












Assignment

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

