

Functions  $\rightarrow$  one to one relationship

Relations  $\rightarrow$  Connections between 2 sets of data

Domain  $\rightarrow$  set of inputs

Range  $\rightarrow$  set of outputs

### Relation

Jordan



Black

Sam

has

Grey

this

Jen

color

Blue

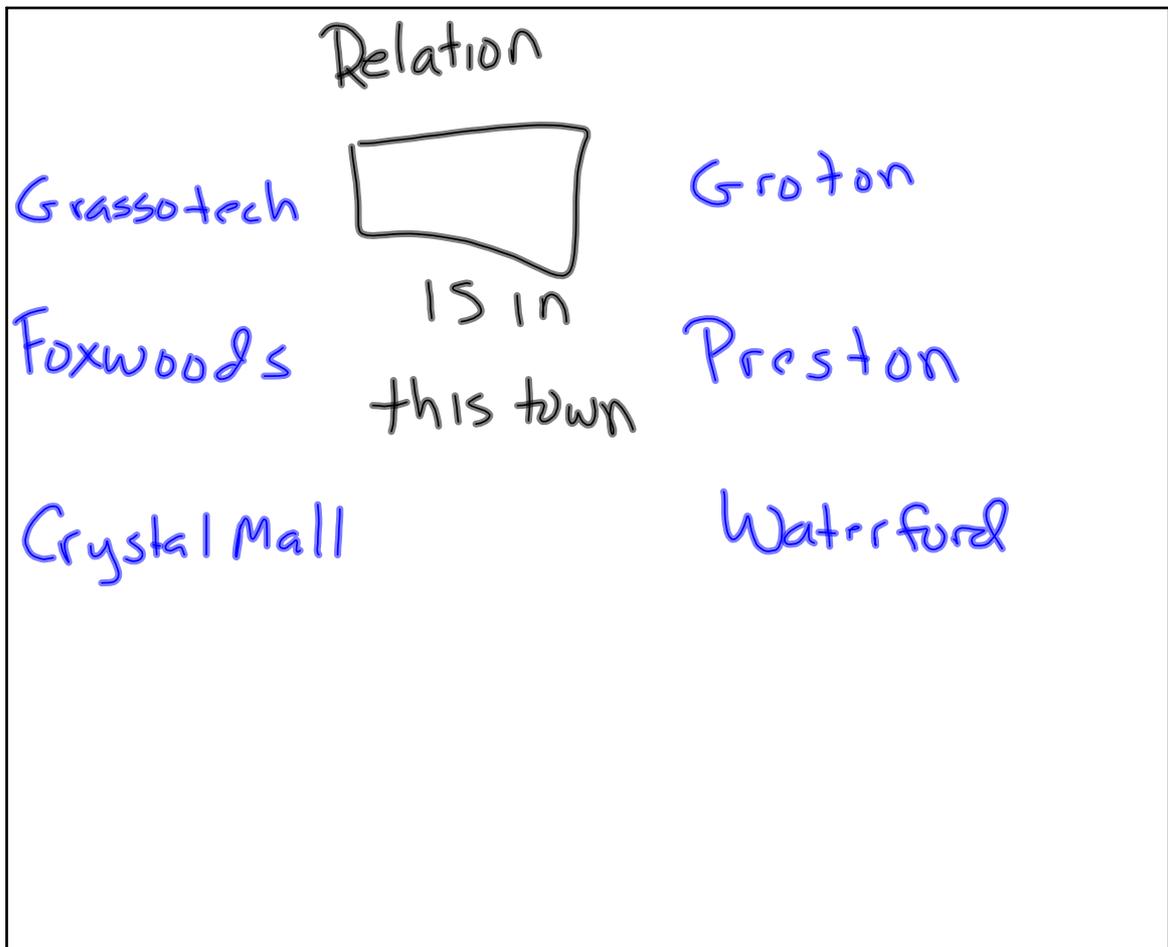
Shirt

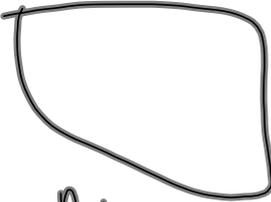
Domain

Students in  
308

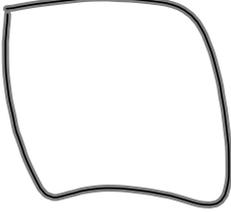
Range

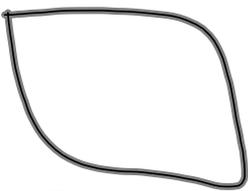
Blue, Black, Grey

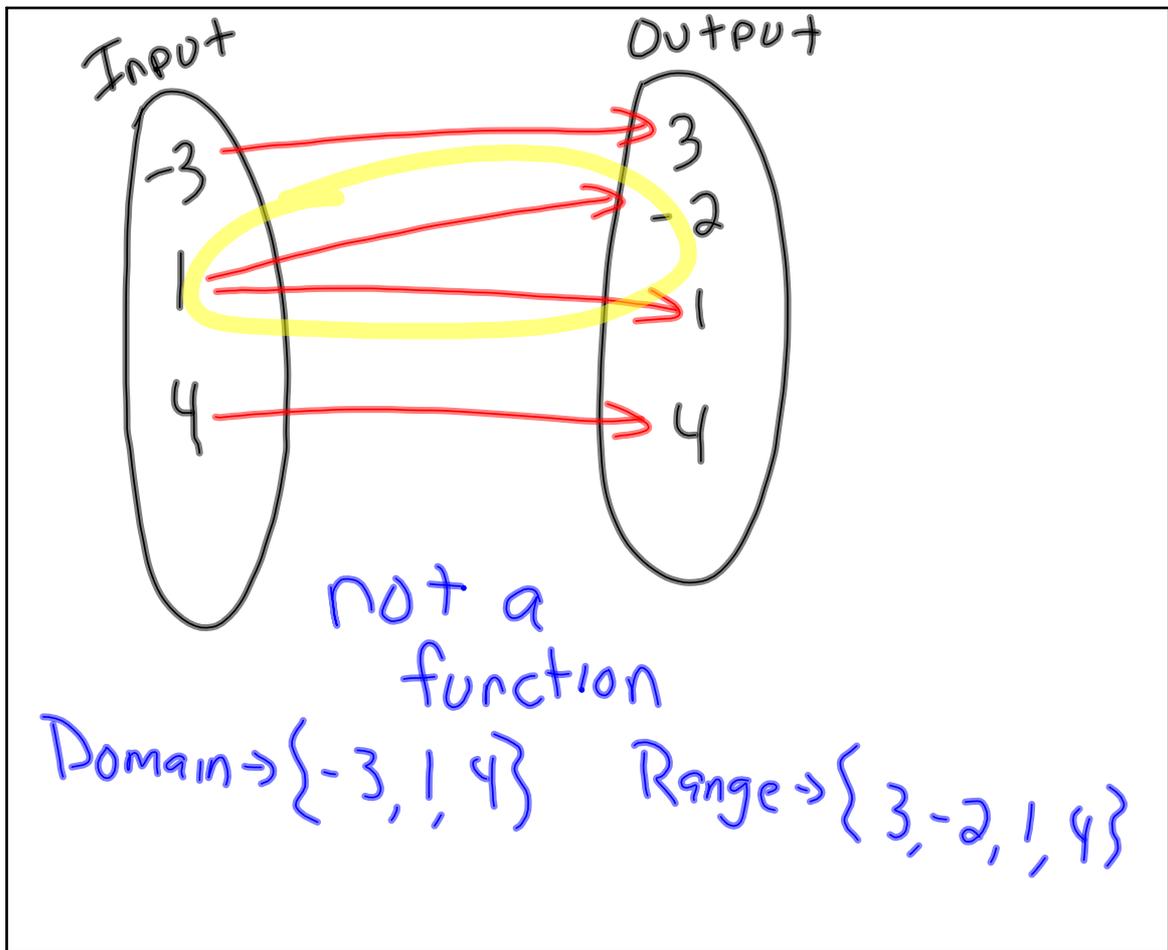
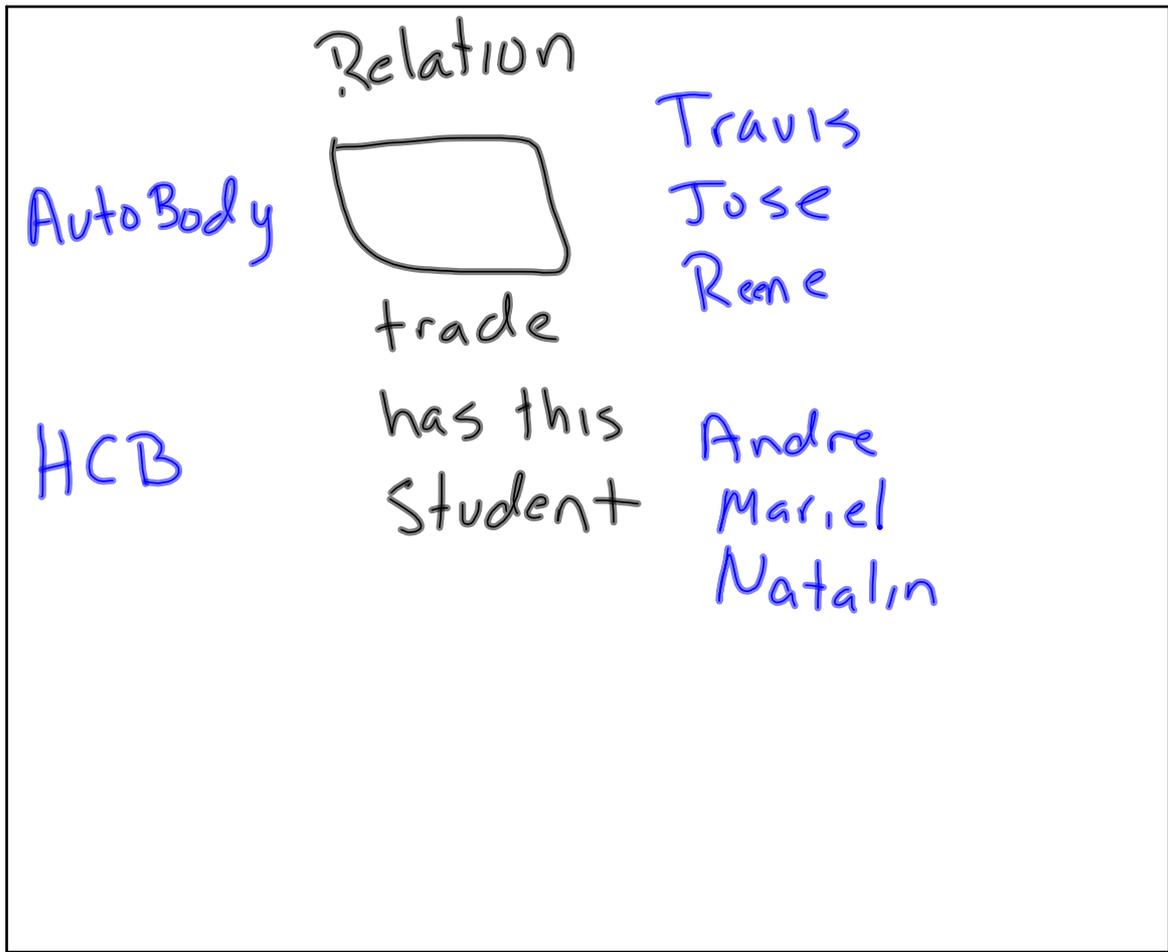


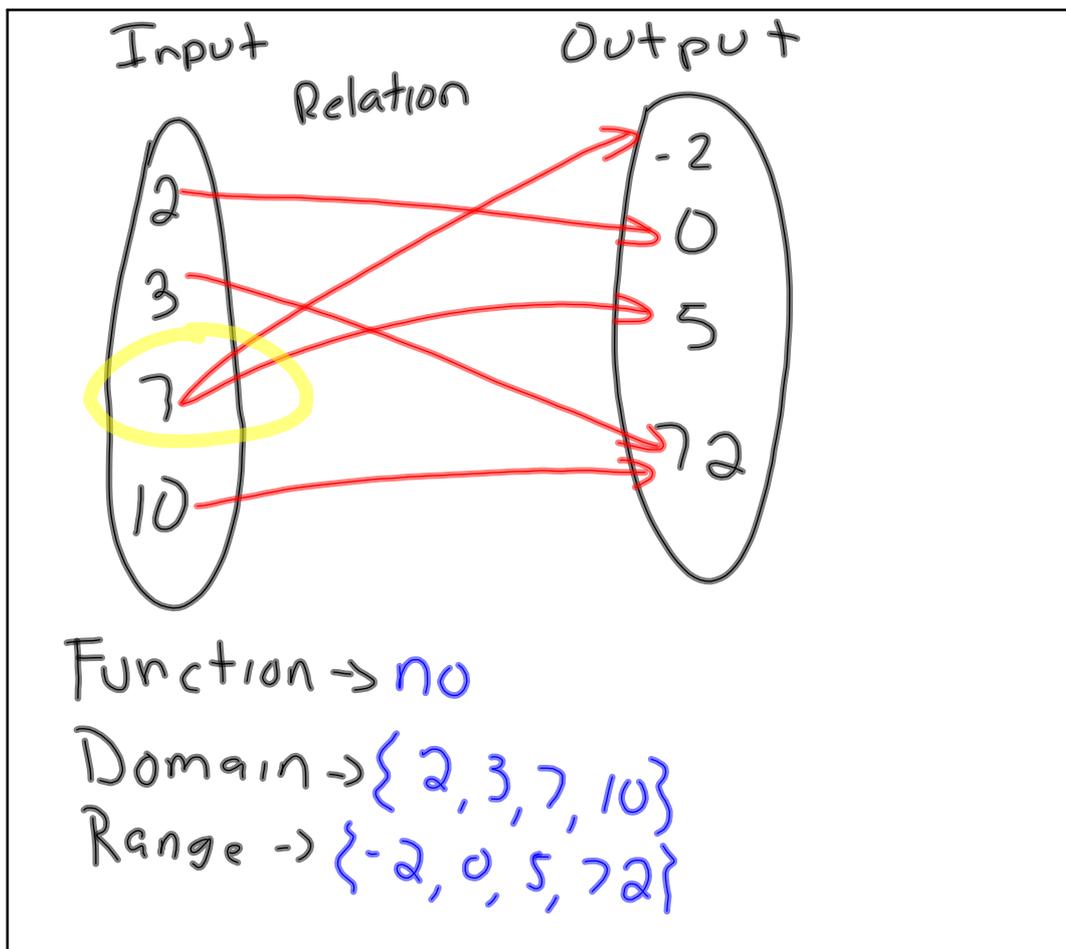
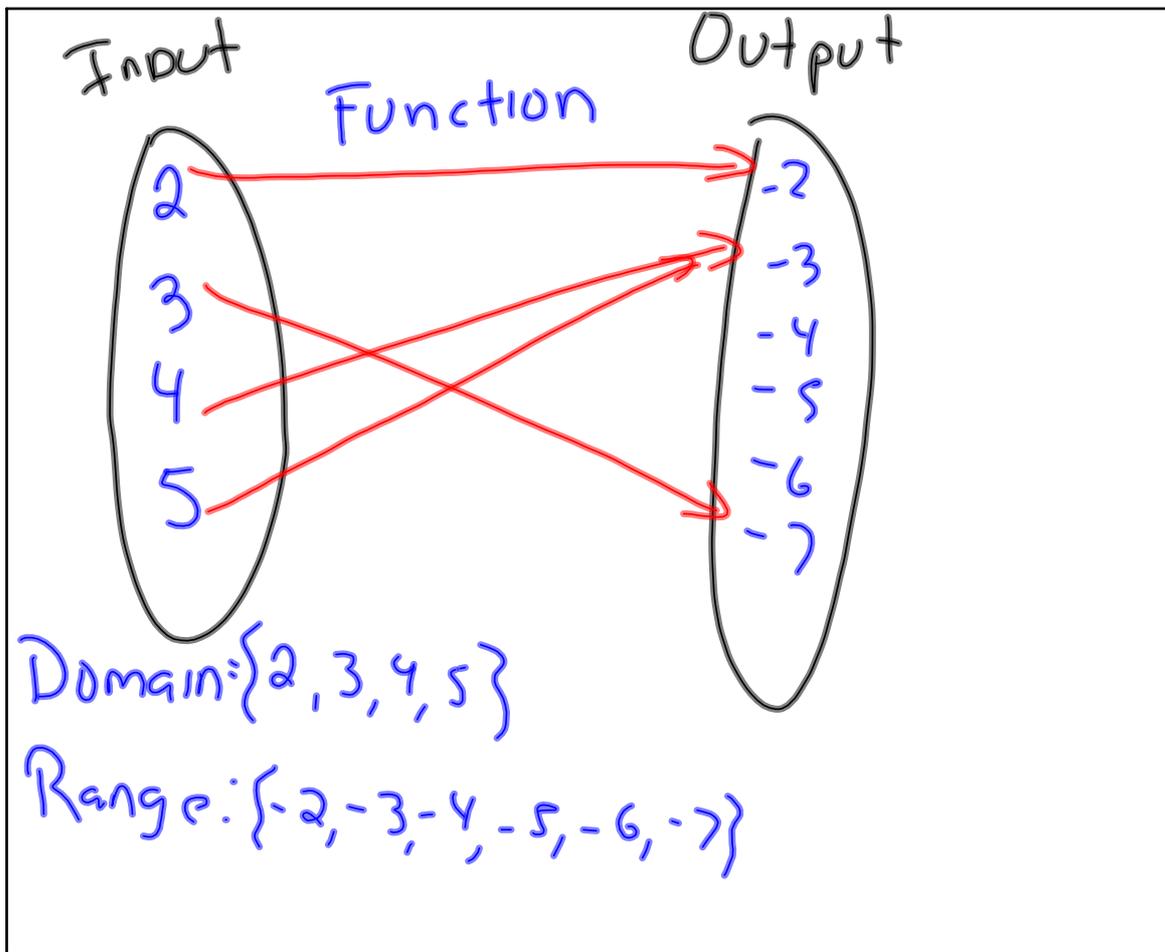
Domain Students in 308	Relation Length of	Range $y > 2$
Ray		24
Kelsy	Name	18
Amber		14

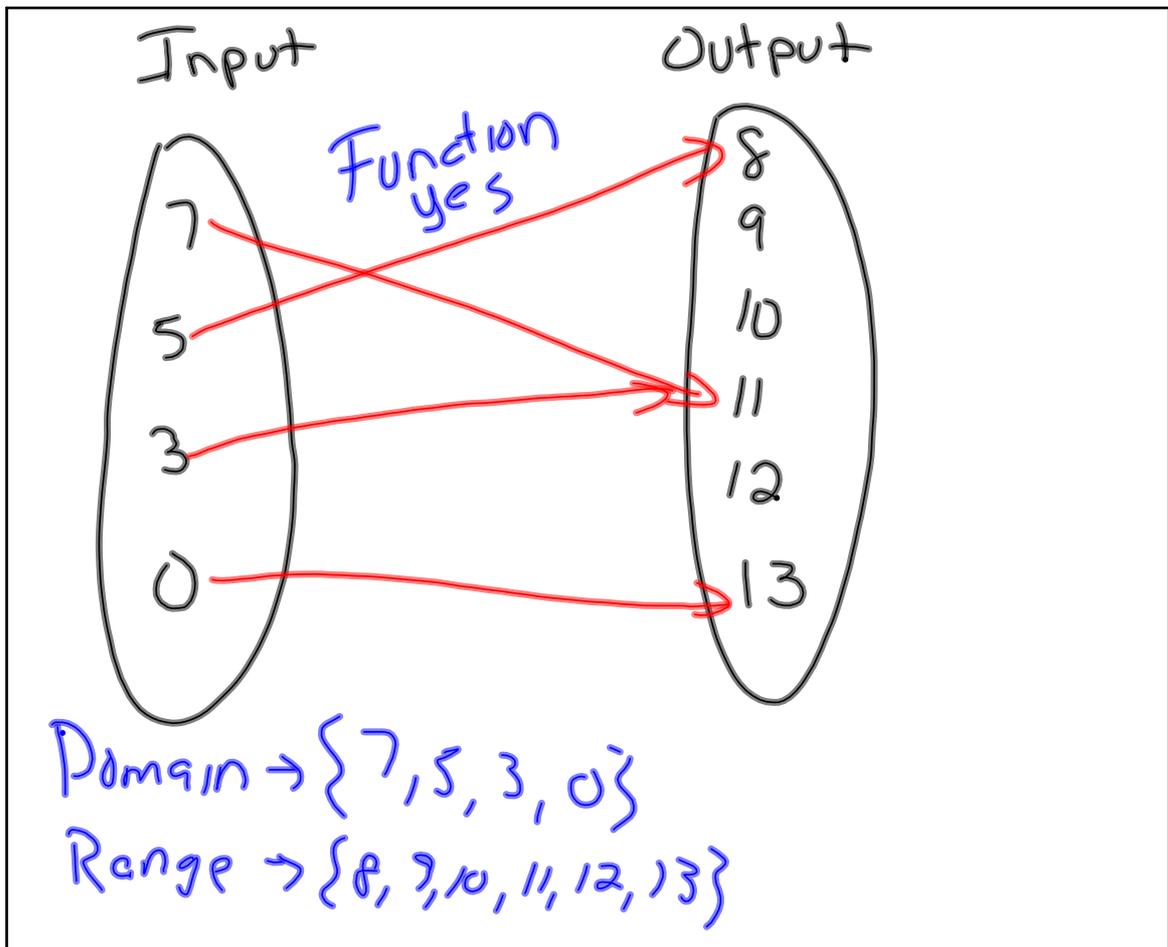
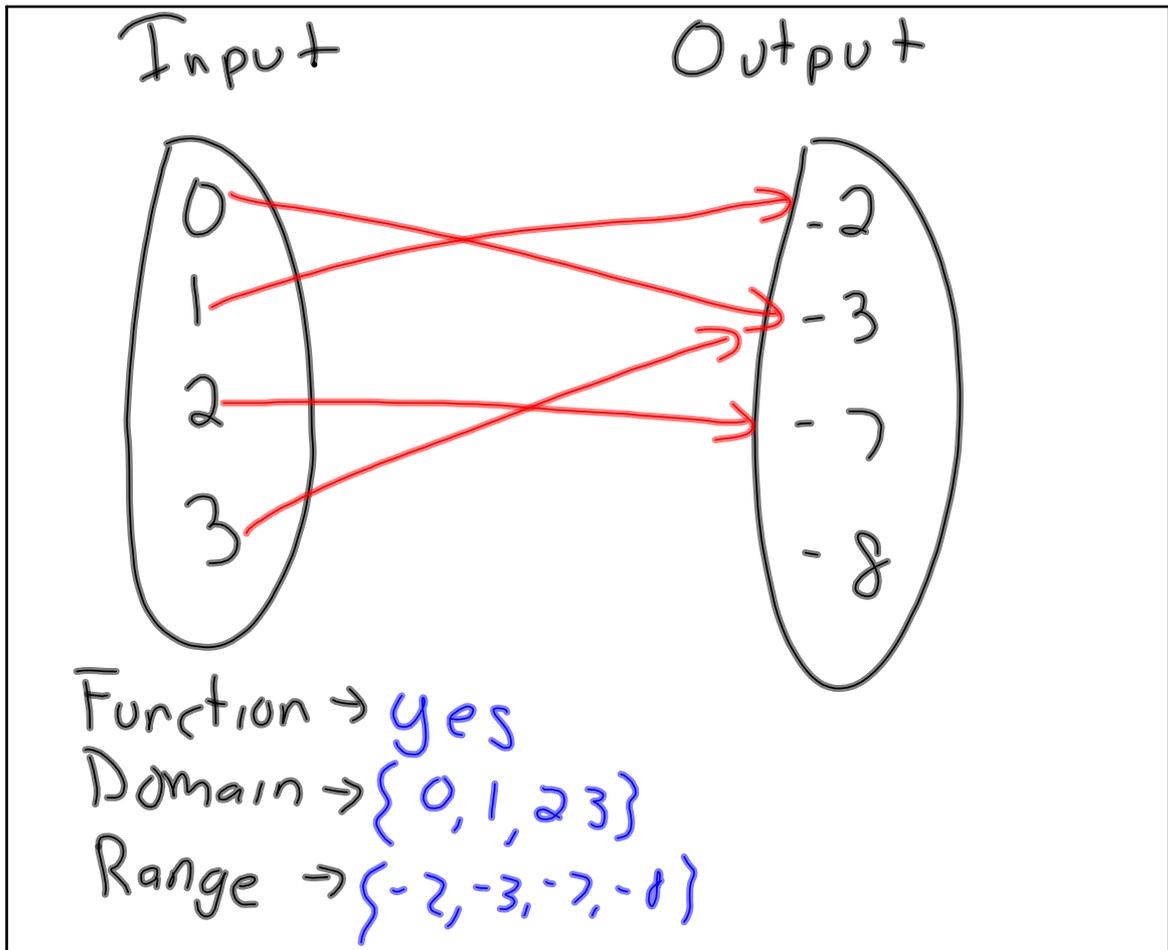
	<u>Relation</u>	
Joseph	How	3
Megan	many	3
Sean	Siblings	2
Andrew	 has	5
Domain Students in 308		$y \geq 0$

		Relation	
Oak v Det	What	6 - 8	
Bos v Rays	was	3 - 1	
	the		
	Score		
	in		
			

		Relation	
NFC North	What	Chicago	
East	team	Minisota	
South	is	Detroit	
West	in		
			
AFC South	Division	Indy	
East		Tenn	
West			
North			
			All Teams in NFL

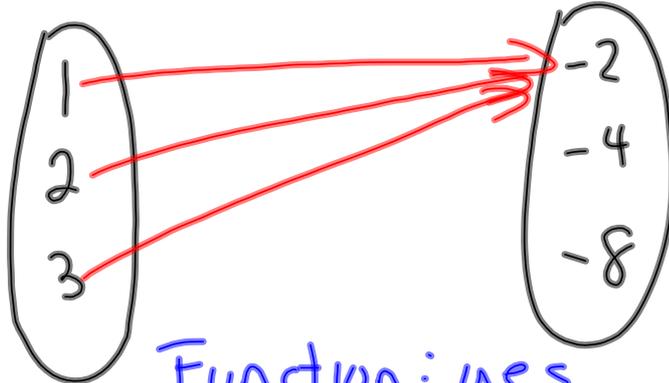






Input

Output



Function: yes

Domain:  $\{1, 2, 3\}$

Range:  $\{-2, -4, -8\}$

Hw

1) pg 71 # 1, 2, 3

2) pg 71 # 19-21

3) Give me one relationship that is a function and one that is not a function