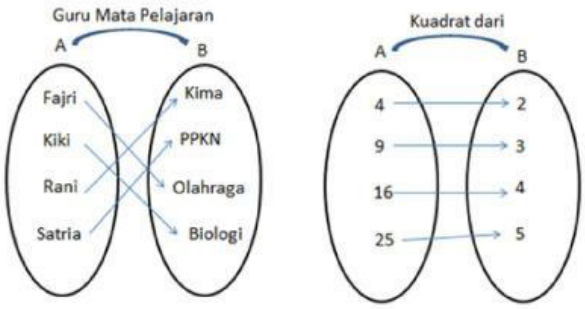
Definition of Function

Name: _____

Date: _____

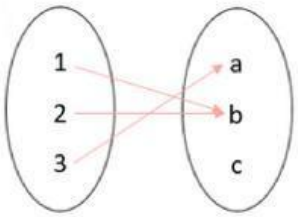
Function / Mapping is relation that pair a member in set A with exactly one member in set B.



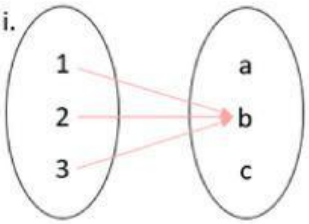
The member in set A only choose exactly 1 option in set B

Directions: Which one these arrow diagrams below is the function??

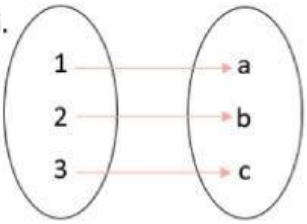
1



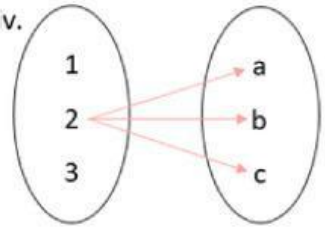
2 i.



3 i.



4 v.



5 Conclusion

So, what is the different from relation and function?

Function Notation

Name: _____

Date: _____

Function from set A to set B can be denoted as the following:

$f : A \longrightarrow B$

f(x) is read aloud as "**f of x**"

(Input , Ouput)

(x , y)

(x , f(x))

Given f(x) = x +2, with the domain {1, 2, 3}. Determine the range of the function!

f(1) = 1+2
f(1) = 3

f(3) = 3+2
f(3) = 5

f(2) = 2+2
f(2) = 4

Directions: Find the range of the function given below!

1 g(x) = 5 -3x evaluate g(2)

2 h(x) = x - 3 find h(-8)

3 v(t) = 2t - 5 find the range from: domain { 3, 4, 5}

4 m(n) = 8 - 2n find the range of domain { -1, 0, 1}