

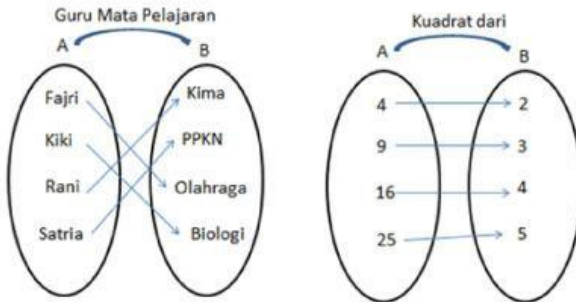
Definition of Function

Name: _____

Date: _____

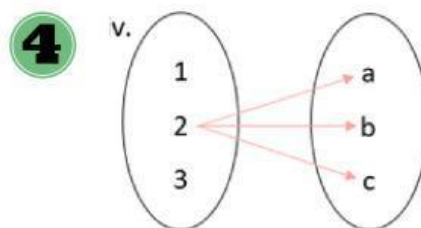
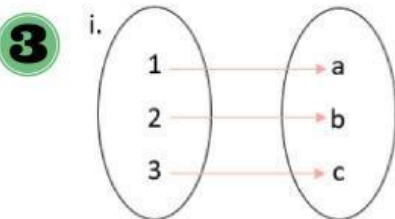
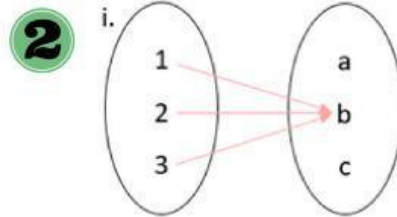
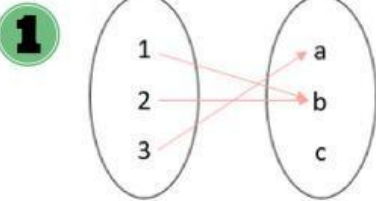
Function / Mapping

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??



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, Output)

(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 $\{-1, 0, 1\}$