Function

Let A and B any two non empty sets, Then function from A to B is a rule that assign to each element of set A, one and only one element of set B.

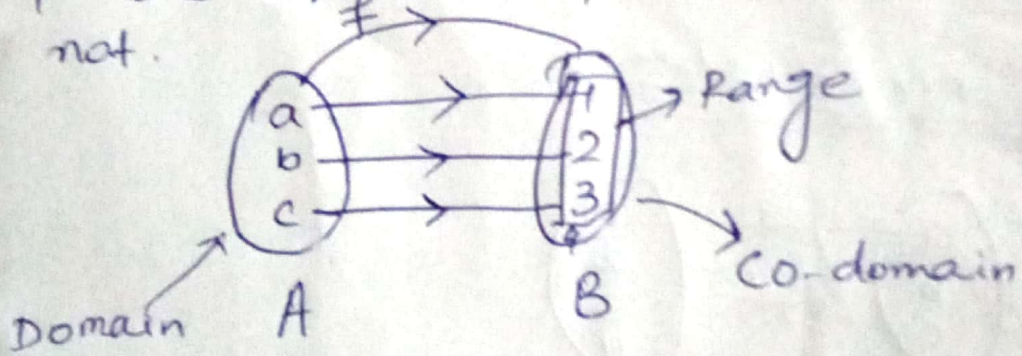
Methematicaly

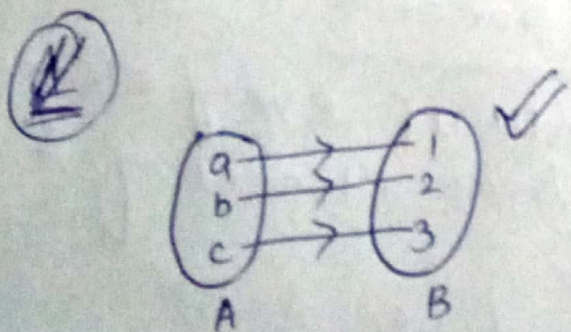
$$f : A \longrightarrow B$$

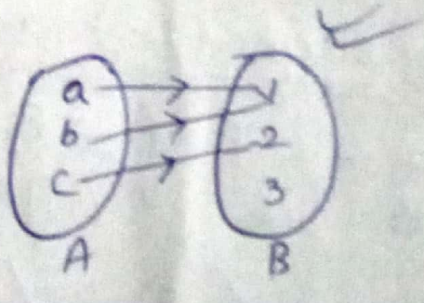
where $y = f(x)$, $x \in A$ and $y \in B$

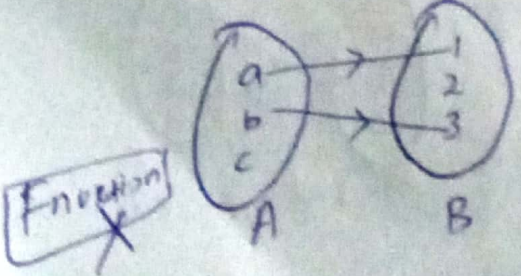
Types

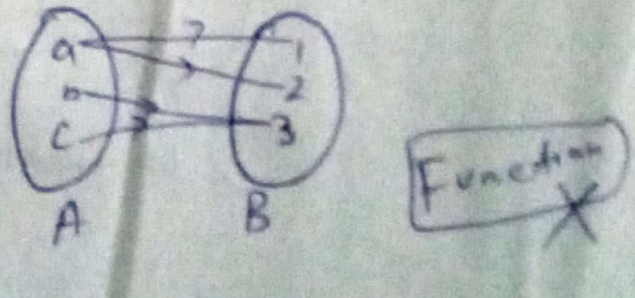
1st we will check, this is function or not.







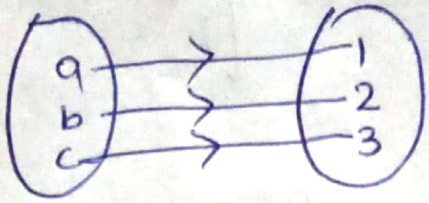




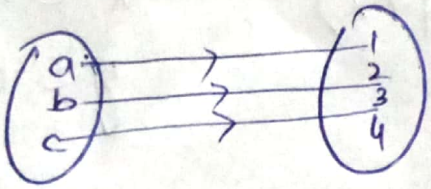
Types of Function

① One - one (Injective)

Function $F: A \to B$ is one-one (injective), if image of distinct element of A are distinct under f.

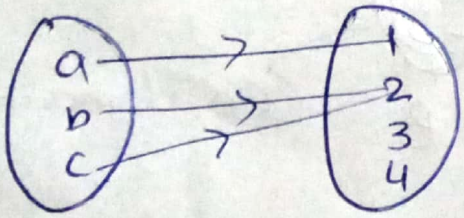


Ex - 1



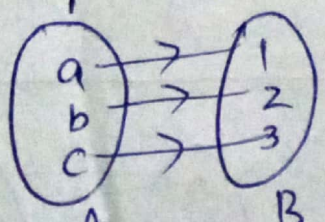
One - one

② Many - one function

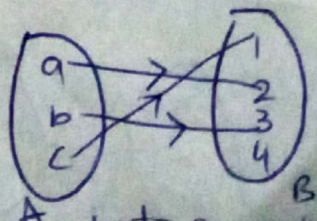


③ Onto (surjective) and Into function

Function $F: A \to B$ is onto if every element of B is image of some element of A (i.e A = B)



Onto function



Into function