## Functions

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mage: of (lange)

fla) is called the image of a under f.

Pleimage:

Homain

f-1(b) is called pre-image of b under f. f: A - B

Domain: @ A &a,b,c} (odomain: B {1,2,3,4}

(D)

lange; f(A) E 1,2,43

Is it a function?

f: A -> B

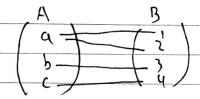


Not a function because f(b) is undefined

every & value in domain

should be defined of

A-7 B



Not a function because f(a) gets mapped to 2 & vaves?

21,23

917

f: R-) R f(x) = x 3

Not a function because

fros is underned

f: 1N - 2 f(x) = \( \inf x \) (4)

Not a function because for some natural number

N such as 2 JZ is not defined under integer.

