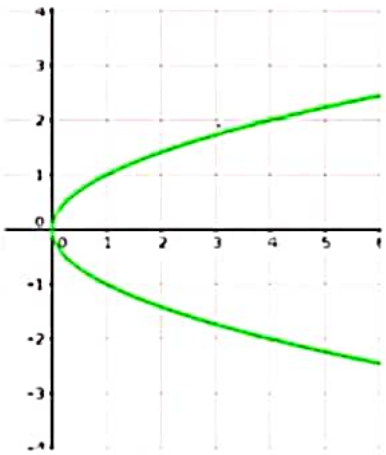
Assignments: 1.

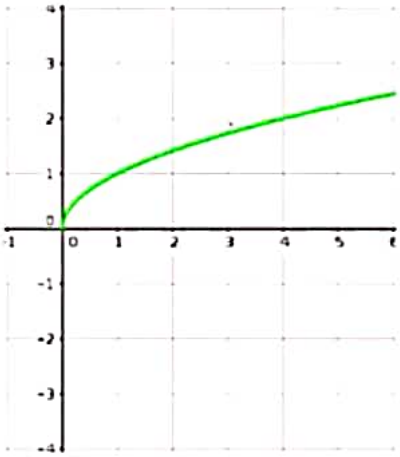
Identify the functions.

I



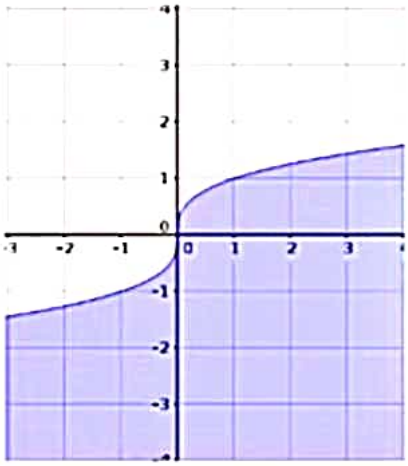
It is not a function

II



It is a function

III



It is a function

2. Identify the functions.

i) $R = \{(2,1), (5,1), (8,1), (11,1)\}$

ii) $R = \{(2,1), (4,2), (6,3), (8,4), (10,5)\}$

iii) $R = \{(1,3), (1,5), (2,5)\}$

Ans) i) Since 2, 5, 8, 11 are the domain of this relation and they have unique images.
∴ this relation is a function.

ii) Since 2, 4, 6, 8, 10 are the domain of this R, And every element having one and only one image. ∴ this relation is a function.

iii) since the first same element 1 corresponds to two different images.
∴ this relation is not a function.