

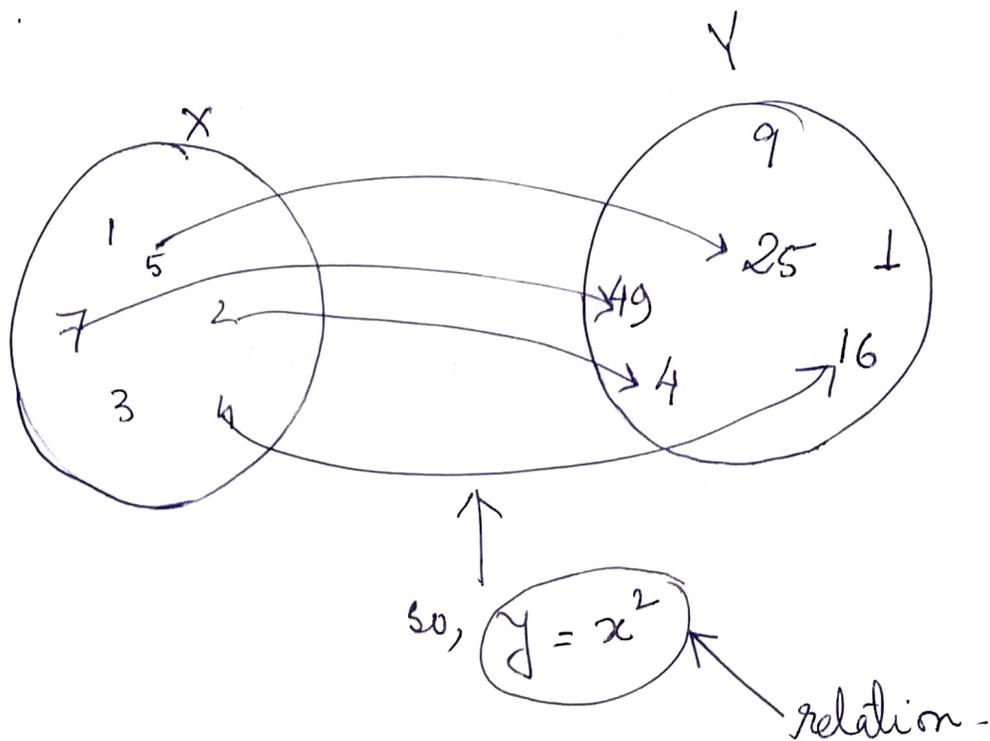
# Fourier Series

## Some preliminary topics:

### • What is function?

A function is a binary relation over two sets that associates to every element of the first set exactly one element of the second

Set.



So, for a single value of  $x$  we get a single value of  $y$

$$\underline{y = f(x) = x^2}$$

$f(x)$  is a single valued fn.