ASEYAJEE

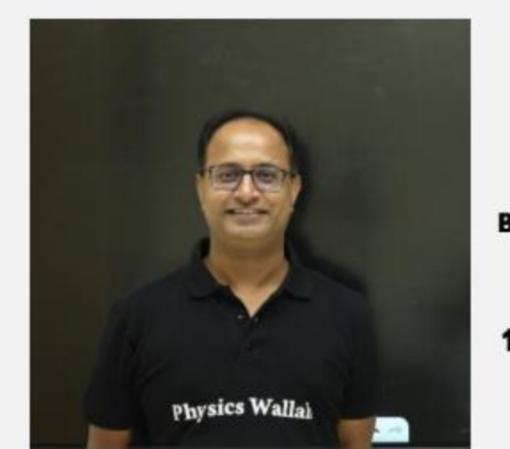




LAKSHYA KO HAR HAAL ME PAANA HAI

Relations & Functions

Lecture: 08



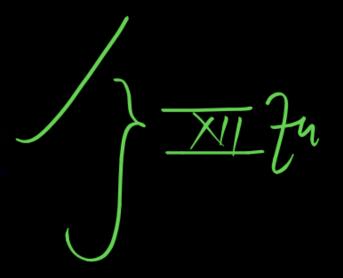
KUNDAN KUMAR By: (B-Tech, IIT-BHU) 17+ years Teaching Experience



Today's Goal: :

Range of the Functions:

Types of Mappings:

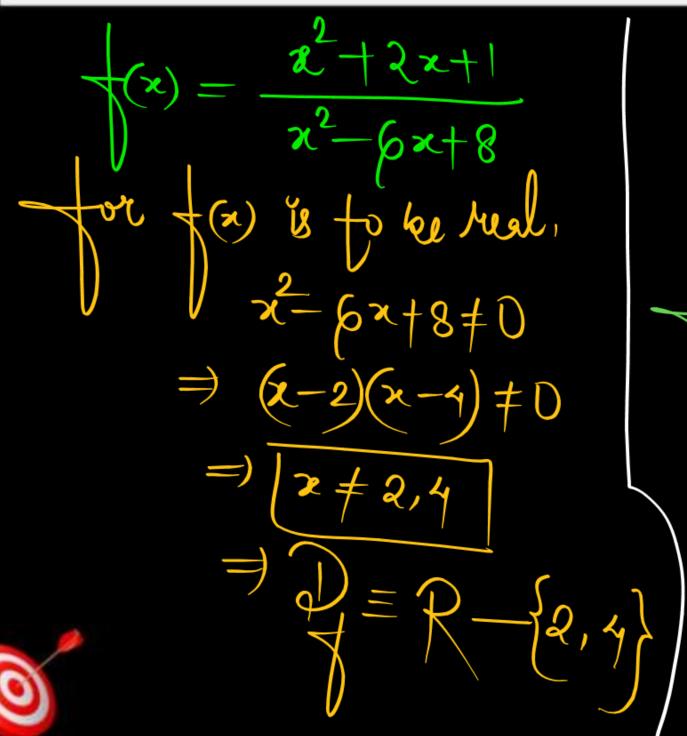


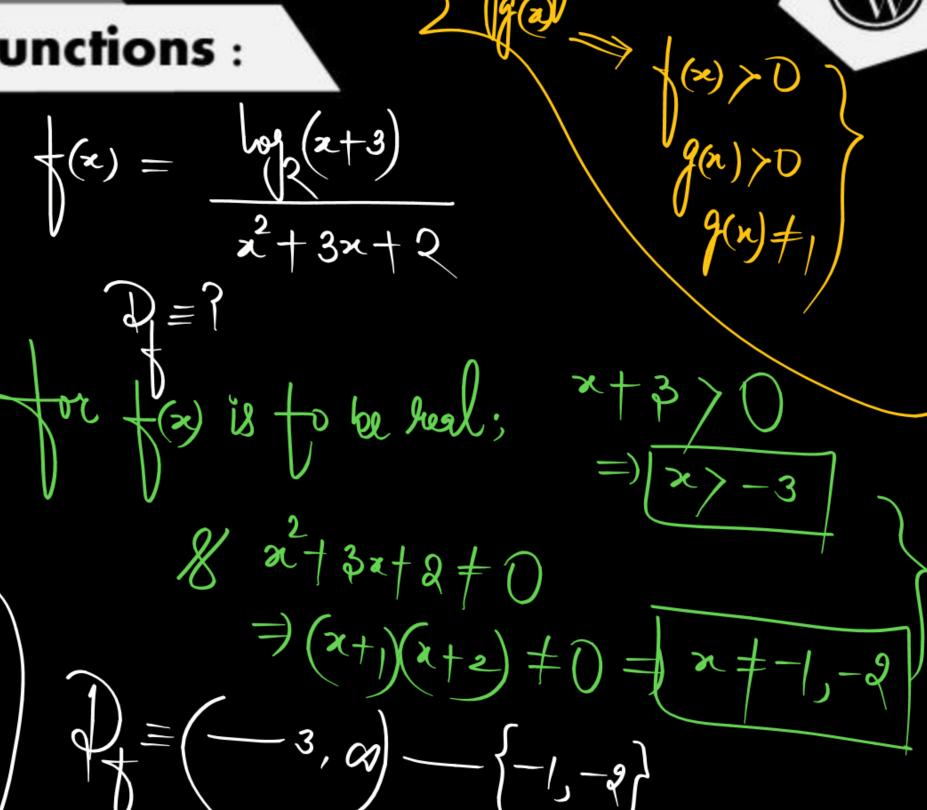


Recap on Domain of the Functions:

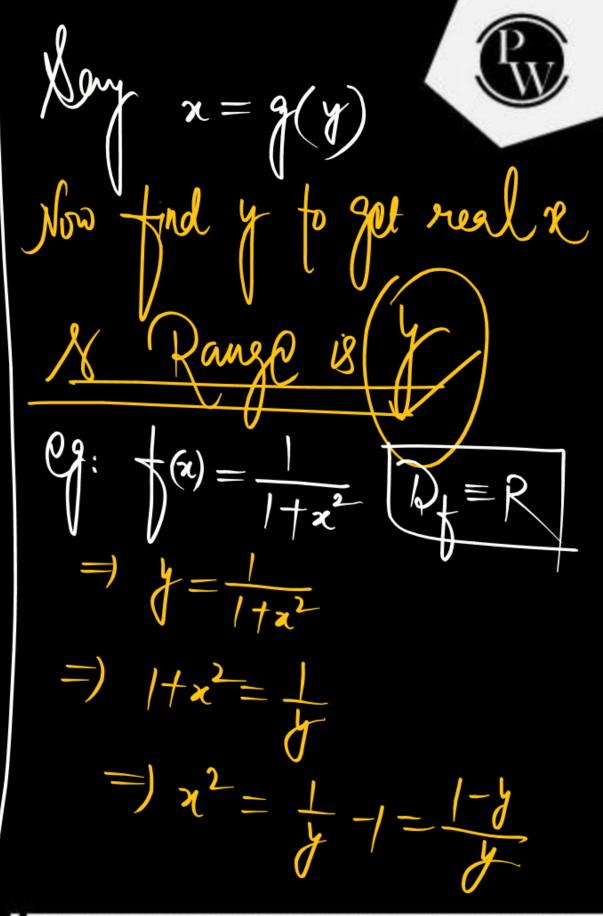
LAKSHYA KO HAR HAAL ME PAANA HAI



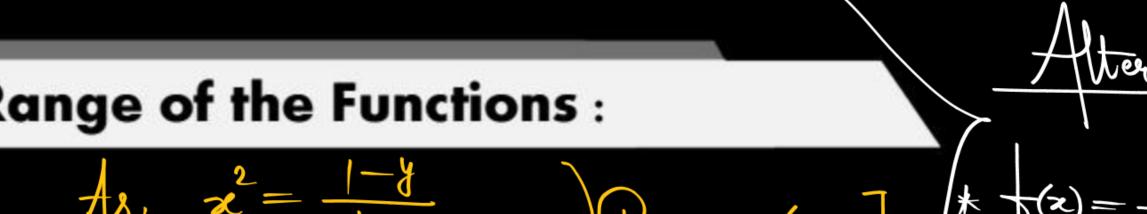


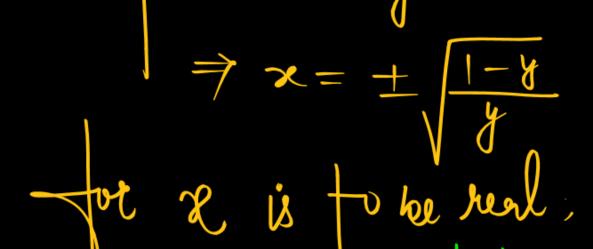


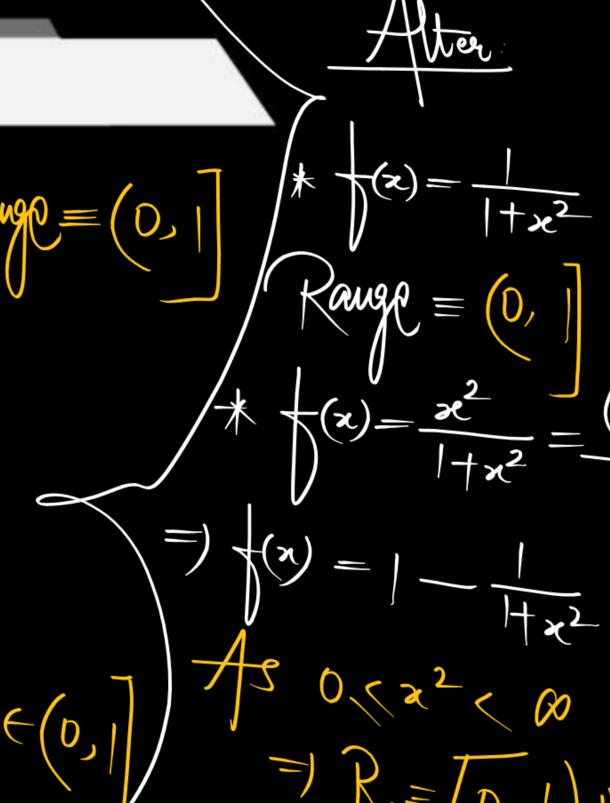
Range of the Functions:













Range of the Functions:

$$(x) = \frac{x^2 + x + 2}{x^2 + x + 1}$$

$$(x) = \frac{x^2 + x + 2}{x^2 + x + 1}$$

$$(x) = \frac{x^2 + x + 1}{x^2 + x + 1}$$

$$(x) = \frac{x^2 + x + 1}{x^2 + x + 1}$$

$$(x) = \frac{x^2 + x + 1}{x^2 + x + 1}$$

$$(x) = \frac{1}{x^2 + x$$



Types of Mappings:

- 1. One- One Onto Functions (Most Useful)
- 2. One- One Into Functions
- 3. Many- One Onto Functions
- 4. Many- One Into Functions

me-one de bends Mary-one Ou xet A

Onto -veah of Set B into-vatleast one in

One me into

0



Thank You Lakshyians