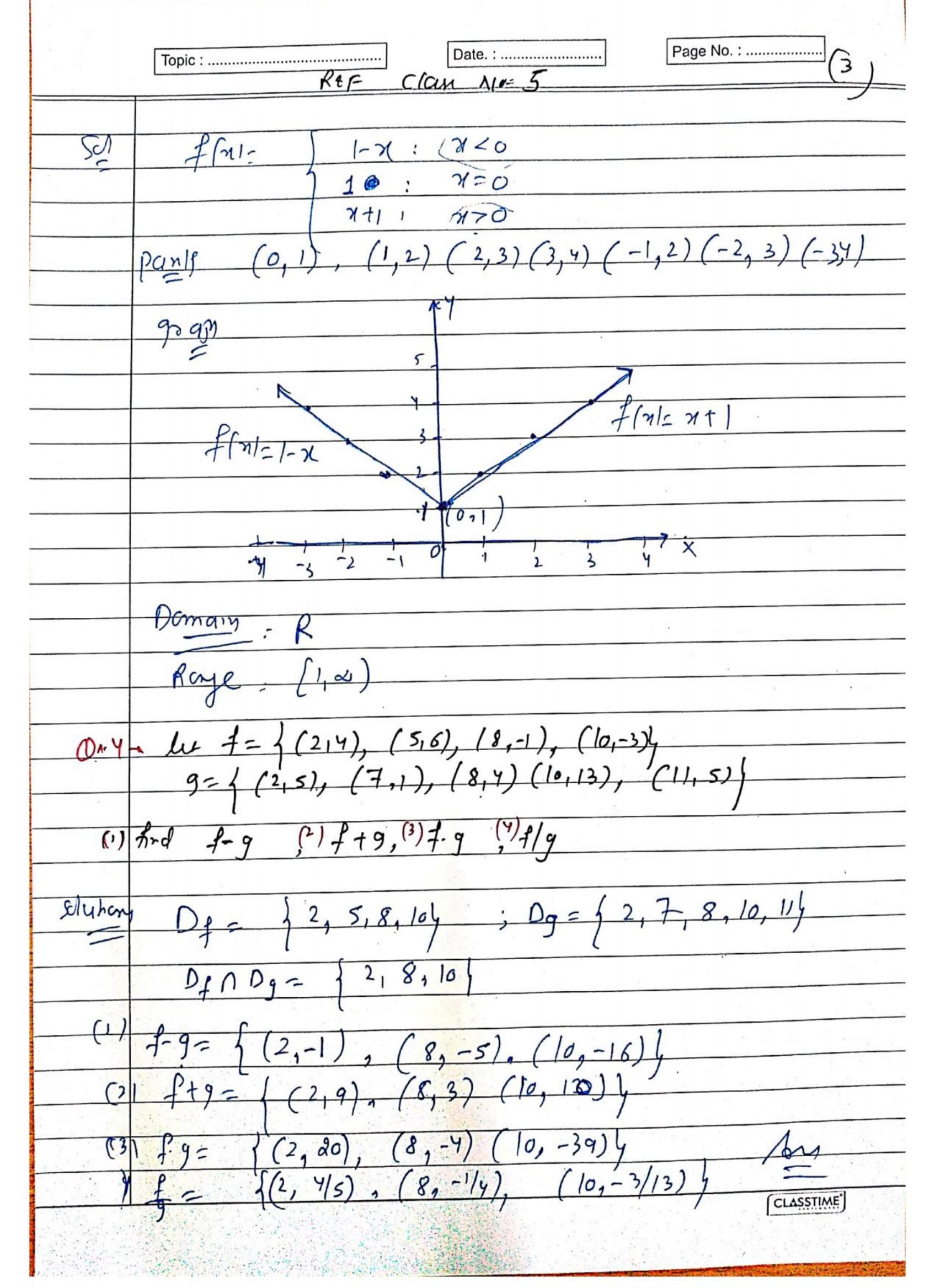
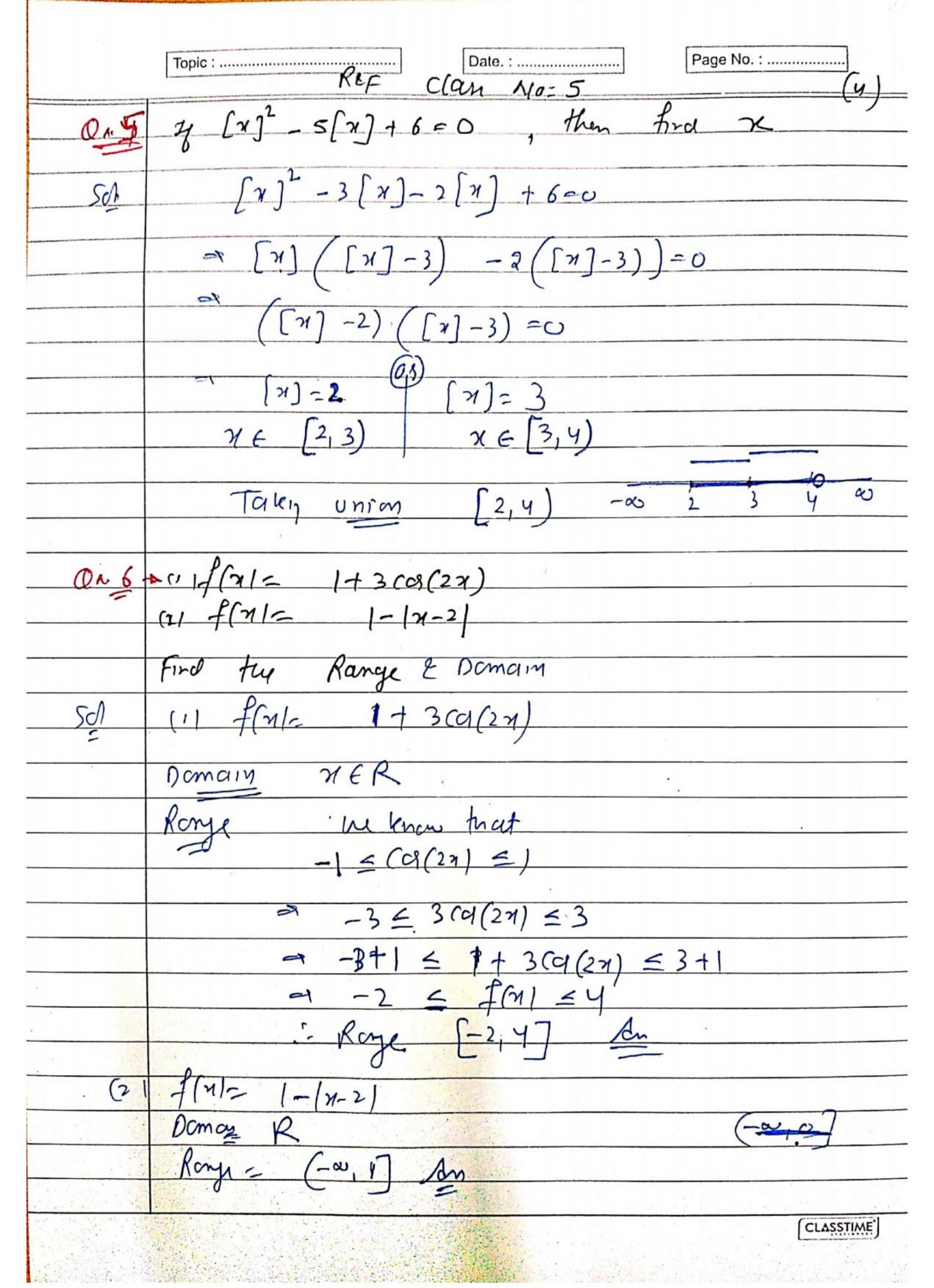
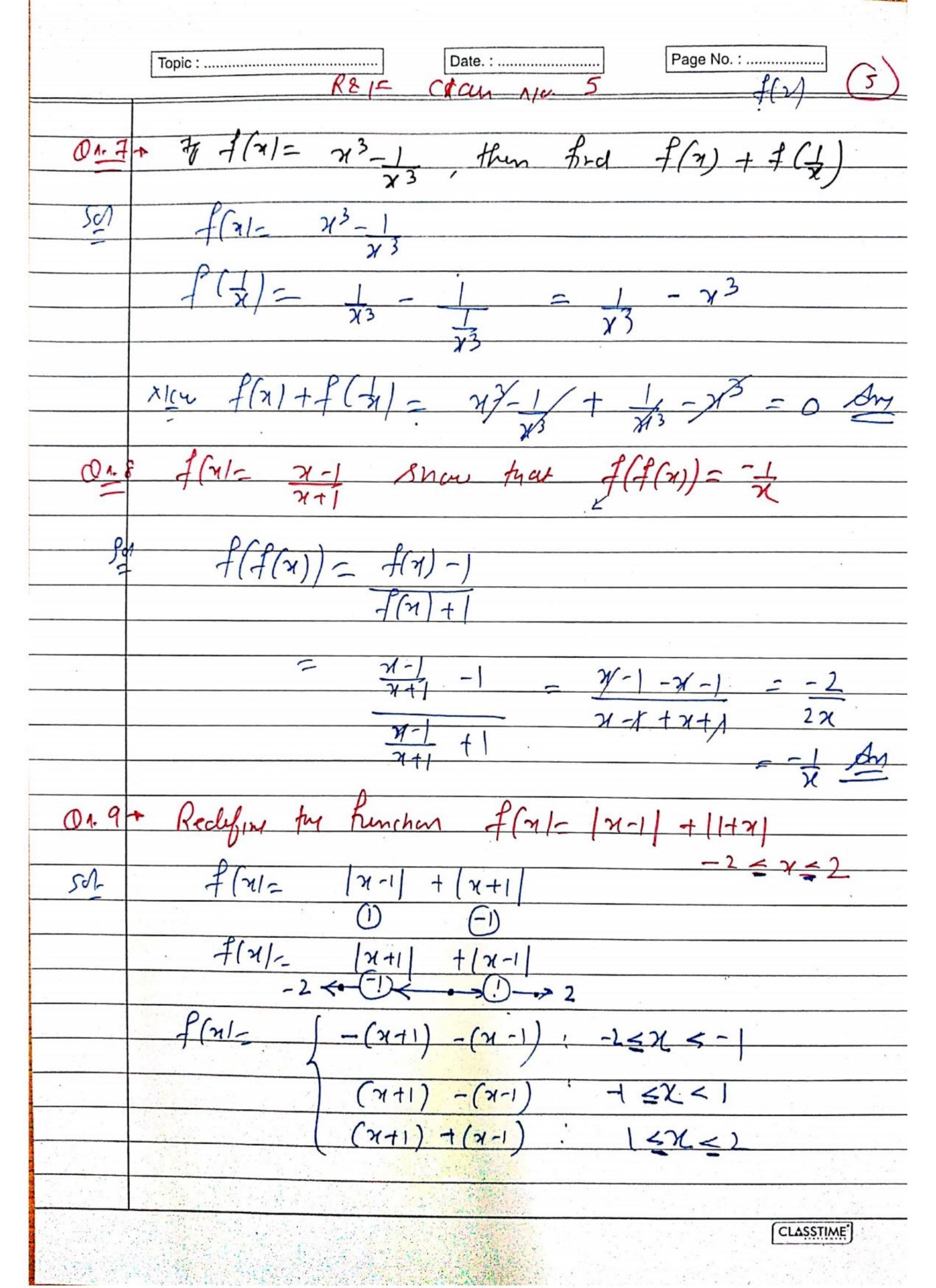
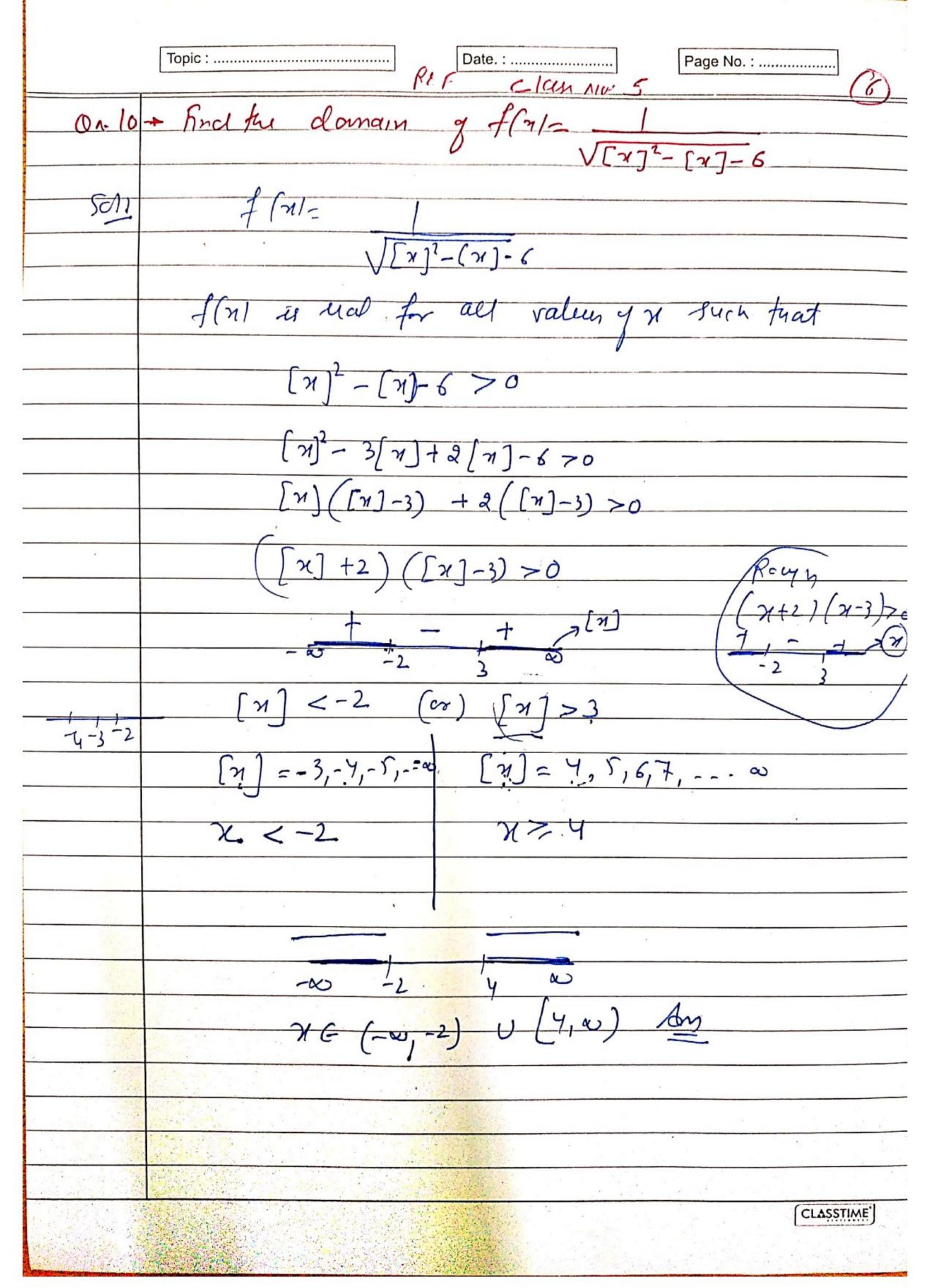
	Topic:
	BY: AJAY MITTAL: 9891067390
	RELATION & FUNCTION
	CLASS NO: 5:
041	- lu R be a relation from N to N defined by
	R= {(9,b): 9, b EN and a= b2 y Are the forlowing
	True 1
(a)	
(b)	(a,b) ER, (b,c) ER smplus (a,c) ER
(c)	(9,0)ER for all a GN
Soli	(a)
=	$(91)  91 \text{ m}  (9,5) \in \mathbb{R}$
C	alm (MANNER (4,2) ER
1-	8111 81na 4=22
	bu- (2,4) &R
	$8in(2) + 4^2$
(6)	(16,4) ER & (4,2) ER
	Sing 16=42 & 4=22
	but (16,2) ER
	$8ince$ $16\pm 2^2$
	- fælre
(3)	3 EN bw (3,3) &R
	812 - 2 1 2 2
	1500 375
	CLASSTIME*

	Topic :
	R2F (an No: 5
DA: 2	Let & be a color of the second
UNIZ	Alt R be a lelahan from set 0 to set 0 defined by R= f(a,b): a,b \in 0 and a-b is
	( ' ) ( ' )
	an Integury. Show that
9)	(a,b) ER implies that (b,a) ER
(P)	(aib) ER & (b,c) ER implus that (o,c) ER
(0)	(a,a)ER for all a E Q
2017	(1) 91cm (9,6) ER
	a 9-b et an intege
	$\Rightarrow q-b=\lambda (\lambda \in Z)$
	=> b-9=-1 which it also an integer
	(b,a) FR
(2)	91 un (9,6) ER & (b,c) FR
	$\Rightarrow a-b=\lambda \qquad \qquad$
	Now. $a-c = (a-b)+(b-c)$
	- a a-c = 1+k which it also on integer
	$\Rightarrow$ $(q_nc) \in R$
[2]	
()/	for all a EQ
	9-9=0 which is on in leger
	$= (q,a) \in \mathbb{R}$
(D) x 1 2 -	the Renchan of its defined by
(CAC)	
	f(x1= / 1-x: x < 0
	$\begin{pmatrix} 1 & : & \mathcal{H} = 0 \\ \mathcal{H} + 1 & : & \mathcal{H} \neq 0 \end{pmatrix}$
	Draw the graph of P(n) E also find
	Domain & Range of f(-1)
	(CLASSTIME')









Topic: Date: Page No.: Page No.: C)
WORKSHEET NO: 4 (Class No:5)
ONS 1 7 A= 4 2,4,6,94 and B= 5 4,6,18,27,544
af A, bEB find the set of ordered pains
Such that a is a factor of b and 9 < b
On-2 + find the damain and Range of the lelation R green by
On-2 + find the domain and Range of the lelation Rgiven by  R= 1 (71,7): Y= 21+6, where HEN, YEN and 21<6/
01.3 - Le Redyine Ku Runchan  1(1)=  1-2  +  2+21 ; -3 = x = 3
Oney find the domain for which the henchong.  I(x)= 3x2-1 and 9(x)= 3+x all equal.
1/1/= 3x'-1 and 9(1/= 3+21 all equal.
On. ++ f(x1= 2x+3 . 9(x1= x2+7 . Find 140
value of 2 for which $9(f(x)) = 8$
Any $\gamma = -1, -2$
On. $f + f(x) = 2x + 3$ : $g(x) = x^2 + 7$ . Find the value of $x + f(x) = 8$ Any $x = -1, -2$ On $f + f(x) = x + 1$ find $f(f(x)) = 3$ $x = -1, -2$
$0^{n.7}$ $\rightarrow$ $f(x)=$ $f(x)=$ $f(x)=$ $f(x)=$ $f(x)=$ $f(x)=$ $f(x)=$
ON8 - f(m/= x+1 plan thad
$[f(x)]^2 - f(x^3) + 3f(\frac{1}{x})$
Qn. 9-let A= 112134 & R= 1(916):  a'-b'  =5 ; and EAY
write Rasa Set of ordered Paiss.
Will the se a leanon on the set Z (integers) desired by
R= ((7,4): 7-9 -4 divisible by n)
Show that (i) (7.4) ER implies (4,4) FR
(1) (7,7) ER & (4,2) ER Imples (7,2) ER [CLASSTIME]
(3) (7,7) +R for all n+2