



Page No.:.... Date.: Topic:.... Funchan Relation CLASS NO: 3 Vx-1x1 find the domain P(x)= 1 1x+1x that X > | M | There is no value of · NE pomai-A(71= Vx+171 that -1 + 1 = 0 (x) -2 + 2 = c(x) 1 + 1 = 2 > 0 1 + 2 = 472+ (1) 70 => 7E (0,00) Demai= (0,00) RANGE. Ronge au fre values of f(n) CLASSTIME

Page No.: Date.: Topic:..... Relation Function CLASS NIO: 3 let y=f(x) get x in terms of y => xy-y= x+2 コッパノーノ)= ナナン X is lead for all values of y such that 741 :- Range = R-{1} Any ON.7 f(M) = J4-x2 find My lange let y= 54-x12 -- (1) y= 4-x2 x2 = 4-42 $\chi = \pm \sqrt{4-y^2}$ $\chi = \sqrt{4-y^2}$

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	C2A4 NO: 3	
	7 420	
	$\frac{1}{2}$ $\frac{y^2 - y \le 0}{\frac{1}{2}(y+2)(y-2) \le 0}$	
	+	
	-au 1 au	
	y + [-2,2]	
	1 600	1/ 100
	Ronge [0,2] f Since y com	
	The second of th	(1) 4
		P
On: 8	+ f(x/- 1 fird fre	Rary
	V X - 7	
50)	lu y- (i)	
	2 12-1	
	7 7 - 4	
	>> x-4 = 1	
	$3 - 4 = \frac{1}{\sqrt{2}}$	
	7 7 = + 4	
	7 7= 1+4y2	
	72	0 1 21
	I is lead for all value of y	Such had
	x is ear for all value of y y = 7 + 0	
	7 7 7	
	Ronge (0,00) Any	
	Ronge (0,00) Any	
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O1. 9	D					
	1+x2					
50	lu $y = f(n)$					
	Y= x2					
	1+12					
	$\Rightarrow y + x^2 y = x^2$					
	7 729-x2=-9					
	=> x2(y-1) = -y					
	$\Rightarrow \chi^2 = -y$					
	4-1					
	$\Rightarrow \chi_{=} \pm \sqrt{-y}$					
	x is each for all value of y such paid					
	-y > 0 and y-1+0					
	$\frac{3}{3-1} \leq 0$ and $\frac{3+1}{4}$					
	en ha					
	YE SO117 . Y#11.					
	y + (0,17-51/24					
	Roy (011)					

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QNIQ	+ f[n] = [n-3] Find the lange.
	Ronge = (-1,14)
On_ 11 +	f(n1- n find the lange.
00	ly 4-7 1+x2
	$\frac{1}{2} \frac{1}{y} + \frac{1}{x^2y} = x$ $\frac{1}{2} \frac{1}{y^2y} - x + y = 0$
	$\chi = 1 \pm \sqrt{1 - 4y^2}$
	$\chi = $
	44-1 <0 and y +0
	$(2y+1)(2y-1) \leq 0 \qquad \neq y \neq 0$
	-0 -1/2 1/2 a
	$y \in \begin{bmatrix} -1 & 1 \\ 2 & 1 \end{bmatrix} - \{0\}$
	$Roye \left[\frac{1}{2},\frac{1}{2}\right] - 104$ $Roye \left[\frac{1}{2},\frac{1}{2}\right] = 0$ $f(n) = 0$

Topic: Page No.: Page No.: Page No.: Page No.: Page No.: Page No.:
ONU 1 - $f(n) = 1$. Find domain and Range ANY- Danain: $(5, \infty)$ Range = $(0, \infty)$
ON-2 + $f(x) = \sqrt{16-x^2}$ find domain and Range Any Osmain [-4,4] Ronge [0,4]
On3+ $f(x)=\frac{3}{2-x^2}$ Find domain & Range = $(-\infty,0)$ U $\left(\frac{3}{2},\infty\right)$
ON. 4 th ffre x Find domain & Range
ANS Domain = R and Range [-1/2, 1/2] Our 5- End domain and Range of f(x1- 1x-2) AND Domain = R-{2} Ronge = {-1,14
Oarbor $f[n]_{=}$ I find domain and Range $(-\infty,0) \cup [1,\infty)$
Om 7 + f(x/= ax-b . find domain & Range Cx-d Range = R-1ay
On8 + find by domain of f(x)= 54x-x2

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	Topic:
Ous 9	Find the domain of fort 1 x-2 + 1-x
	Pary Danau = of
On-10	+ f(x) = x+3 frd tun demann An (2-x)(x-r)
	An Ocmour (-0,-3) V (2,5) 1 - Rnd tu sange of f(x/= x2-x 72+2x
	An Range R-4-7, 13
On-12	* Find domain of iffert = Vn-1 + V3-x
	Any noma. [1,3)

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