





Page No.:.... ccass 10:2 REF ON 4+ f(n1= \(\tau\)\chi\ and 9(\(\gamma\)) = \(\chi\)+3 be
functions find (1) (P+9)(x) (1) (f+9)(n)- f(n)+9(x)=5x+x+3 (1)(f-9)(x1= A(x1)-g(x1= \sqrt{x}-x-3) (79)(41= f(4).9(4)= 5x(2+3)=23/2+35x $(\frac{f}{g})(\chi) = \frac{f(\chi)}{g(\chi)} = \frac{5\chi}{\chi+3}$; $\chi \neq -3$ ON 5 to Show that lelahon 9 defined as $9(\pi) = \frac{1}{2} \times \frac{2}{3}$; $0 \le x \le 2$ as not a function 3x; $a \le x \le 10$ when x=2 then $9(2)=(2)^{2}=4$ also when x=2 then 9(2)=3x2=6Clearly element 2 has two different images. : 9 9 not a function / B; 0+0 / 5 ; 0>0 / 5 ; 0>0

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	DOMAIN &				X
				nchan exists	. ,
	dy	ind			
On-	1 f(x/=	$\frac{\chi-3}{\chi-2}$			
	f(n) e	XIS/3 for	all values	g x 8uc	hyat
	21-2 =7 21	+2 R-{24		0	
	Doman =	7 R - {24			
O1 2	f[n1=	$\frac{\chi^2 + 5\chi + 6}{\chi^2 + 5\chi + 6}$			
	for exus			such prai	<i>†</i>
	for exus	2+54+67	0		
		4-2 or			
		= R-{			
0 1-3	F(n1=	$\frac{\chi_{+1}}{\chi_{-4}^2}$			
Ož	f(n)-	1 1			
		4 1 1			

	Topic:
01-1	f(n) = Jx-3 f(n) exiis for all odd value of n Such that
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0.6	f(x1- 1 \[\sqrt{2-x} \]
	f(n) exish forall values of 2 Such mut 2-x. >0 519n charge)
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
0-7	$f(n) = \frac{1}{\sqrt{3+x}}$
	$\frac{3+x}{20}$ $\frac{3+x}{20}$ $\frac{3+x}{20}$
8)	$f(n) = \frac{1}{2 - \sin(3n)}.$

Topic:
WORKSHEET NO: 2-1
RELATIONS & FUNCTION
Ons 1 + f: A - 1 R; f(x1=x2+1 where A=f-1,0,2,4) Find Range of f and were f as set of ordered pairs also find pleimage of 3
On2 > Find the domain (or value of x) for which the functions $f(x) = 2x^2$, and $g(x) = 1-3x$ are equal
On 3 - $f(x) = x^2 - 1$, $g(x) = 2x + 3$ be how frunchom find $(f+g)(x)$, $(f-g)(x)$, $(fg)(x)$, $(fg)(x)$
014 7 9= { (3,5), (2,3) (1,1), (4,7)} is a
function given by $g(x) = \alpha x + \beta$. Find value of α and β
On. 5 + White the forlowing belations as set of ordered pairs and find which of them are functions (1) $f(x,y)$: $y=3x$, $x \in \{1,2,3\}$, $y \in \{36,9,12\}$
(1) $\{(x,y): y=3x, x\in\{1,2,3\}, y\in\{3,6,9,12\}\}$
(2) {(7,7): Y>X+1, Y=1,2 and Y=2,4,6}
(3) {(M, M): X+Y=3 , X&Y & {0,1,2,34}

	Topic:	Date: Page No.: Poy 2
0v. 2	A= { 12,13,14,15,16	1,174 and 7: A -> 2
	be a function 91	
	f(x) = highest	+ prime factor y X
	Find Range of f	
On 7-	f(n)= x2	,)
	$f(x) = x^2$ $f(x) = x^2$ $f(x) = f(x) - f(x)$ $f(x) = x^2$ $f(x) = x^2$	-
	+ Find domain	
(')	$f(n)=\frac{\chi-1}{\chi+2}$	(7/f(n/= x-2
	$f(x) = \frac{\chi^2 + 3\chi + 5}{\chi^2 - 5\chi + 4}$	T(1)= 1 1x-3/
(3)	$f(x) = \frac{3x-1}{x^2-2}$	(11) f(n/ 1) 1x1-2
(4	f(x1= 1	
	$\frac{1}{7(x)} = \frac{1}{x^2 + 2}$	(12) f(n1= 1
(4)	f(x)= V4x-3	1-25nx
(6)	P(x1= 1 √3x-2	
	V >X-1	
(7)	f(n1-1	

		V3-2x	
(817	[n]=	VI-Sin(3x)	
			(0) 100 000
			CLASSTIME