

	The state of the s
Senius	Genius
	Date//
DATE 1	9. Medulas Function:
(g). Suvertible function :	MOX (at 11)
9) Invertible Function: (1) Invertible Function: It is also known as Invene function: It is also known as Invene function: It is also known as Invene function:	Remainder = n mod y
9/ L: A -> B	- R row y
Hom f : B > A	MOX (6 2)
(3 m) (4 z) 2	$\begin{array}{c} \text{MoD} (5,2) \\ \text{5 Mod } 2 = 1 \end{array}$
0. $U(n) = (1, n)(2, n)(3, n)$	5 100 2 - 1
$\frac{1}{2} \frac{1}{2} \frac{1}$	# Composition of Function :-
L-(x) = ((x,1) (x,2) (y,3) (2,9)	oruporation of tunction is
$f^{-1}(x) = f(x, 1)(x, 2)(y, 3)(z, 4)^{2}$ It is not a funch as x has 2 images.	
3. Floor furch: [3. 4] = 3 [5. 5] = 2	Consider a funct f: A -> B and g: B -> C
6. Floor hunch :-	i. e. ledoman of f is the domain of g
1 X	then it define a new funct from
[3.14] = 3	then It define a new funct from 1: A > C called composition of f and g.
15=2	It can be written fog ().
6. Reiling function:	$\log (a) = f(g(a))$
	8. Let the func" of and g be defined by
man and the second	Q. Let the func f and g be defined by $f(x) = 2x + 1$, $g(x) = x^2 - 2$. Find
Absolute function &	the composition funct gof (x).
ABS(x) = + x	$\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$
partine ABS(-4) = 4	$q_{-}(x) = x^{-} - 2$
ABS (5.4) =.5.4	# 100 (M)
	gof(n) = g(f(n))
(8) Integer Value Function 3-	
(8) Enteger Value Function:	= g(2n+1).
INT (3.14) = 3	$= (2n+1)^2 - 2$
	$= 4n^2 + 4n + 1 - 2$
-	= 42 +42 - 2.
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	aubitance: 0 8
+	hip of mortering
A = (3000 = 428	A(t) = 100 e-0.0338 t
ABI HUB = A + B - AB	(t) la montre la given
	traiban present at a
not divisible by 7 c 8. 0	It of combon
box	usied for I 1
n = 136.	8. Hall life of a radioactions substance
	- x.
[13]	May 12 X Pa
b = 1776 = 136.615	dog of
	logan
I that the no of bouttime integer * 1076	J. Garage
	>
0.0338	(x) $b = (x) $ $b = (x)$
£ = ln2 = 20.5	
Je de	Oa
+0.0338t = + 100,2	- log an
-0.0338t = log 1/2	
1	fed (s) } = (n) bat
e-0.0336t =	>
100 e-0.0338t = 50	(m) = log and
$A(t) = \frac{1}{2} \times A(0) = 50$	Max o
A (0)	entiel from Joseph
bolu: ACX) = 100 e-0.0388+	tune (m) = con of con of a
Date /	
(se) log = natural log of la	Seni.

