Ch-	Diff	eventiation
-----	------	-------------

	The state of the s					
₩ ₩	y= f(z)	$\frac{dy}{dx} = f(x)$				
	Sinz	Cos ×				
	Cos x	$-\sin x$				
	tanx	Sec ² x				
	Cotx	$-\cos e^2 x$				
	Sec x	Secrtanx				
	Cosecx	-cosecz cotz				
		blan on				
	2 ^h	nxn-1				
	52	1/2 500				
	1/-	$-1/x^2$				
	1/xn	-n/2n+1				
	Constant					
1 10	a a slavens	a≈ log a				
	ex	e ²				
	log 2	1/2				
		citariof thillywell for souther wood				
*	2	suithm without this mil as				

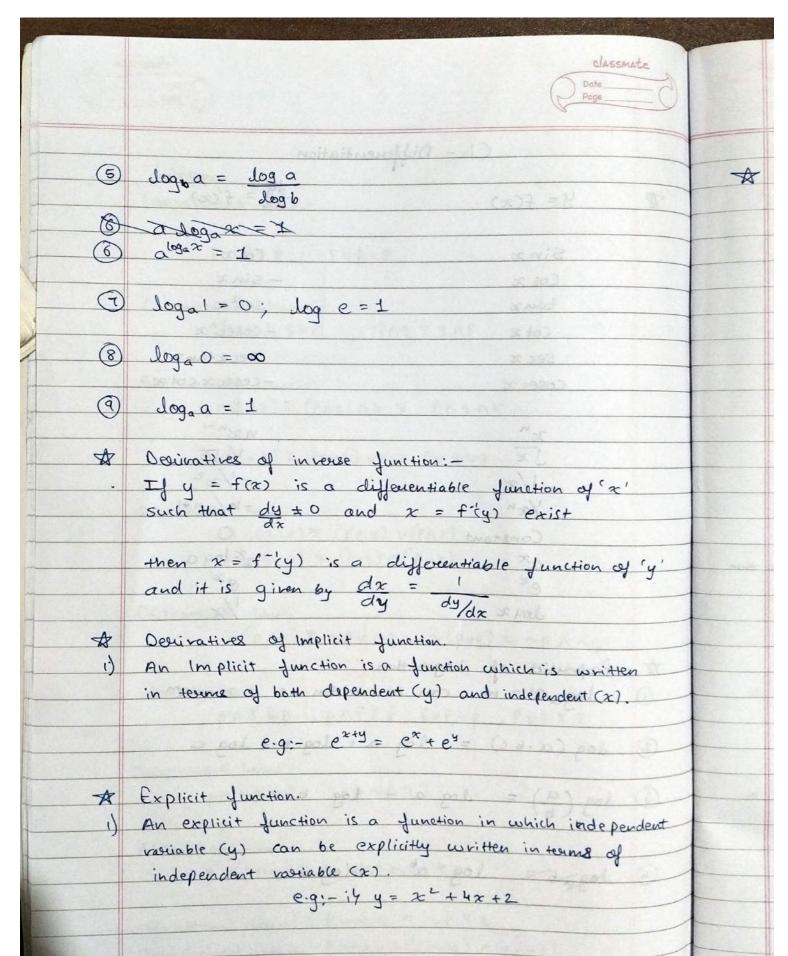
Properties of Logorith

 $log_a x = m$ can be written as $x = a^m$

(2) dog (a.b.c) = log a + log b + log c

3 $\log\left(\frac{a}{b}\right) = \log a - \log b$

€ logab = log a = blog a



A Descivatives of Inverse trigonometric function:	*	Descivatives	af	Inverse	trigonometric	function :-
---	---	--------------	----	---------	---------------	-------------

$$y = f(x)$$
 $\frac{dy}{dx} = f'(x)$

$$\frac{-1}{1+x^2}$$

$$\frac{1}{x \int x^{2}-1}$$