DILLA, KERVIN CLYDE S. CS 201

WPE OF TANGENT UNE	CONSTANT	
$\frac{1}{x} > \frac{f(x+h) - f(x)}{(x+h) - x} = \frac{dy}{dx} = \frac{f(x+h) - f(x)}{h}$ (26 h g	10esto 0) = (c) = 0	CHAIN BULE
$\frac{4x - \frac{2xy + h^2}{h}}{4x}$	POWER RULE	$\frac{dy}{dx} : \frac{dy}{dx} \times \frac{dv}{dx}$
$dy = ((x+h)^*) - (x^2)$ $dy = 2x+h$	式 (xn) = nxn-1	SHIPT WETHOD
dx dx dx dx = (x2 +2xh +h2)-x2 dy = 2x	CONSTANT HULTIPLE	y= g(f(x)), (y = g'(f(x)) x+'(x
ds h ds	$\frac{d}{dx}(ev) = c\frac{dv}{dx}$	y= (f(x))h, dy = n(f(x))1-1 x f'(x
NOTATIONS	SUM RULE	FUNCTIONS OF THE FORM efact
f'(x) > prime	막 (n+n) = 학 +학	y= ex dy = ex
derivative of y with respect to x (NOUN)	DIFFERENCE PULE	y= kex dy = kex
take derivative with respect to x (VERB)	dx (v-v)	y= ex dy = Kexx
THE GOLOHETRY PRODUCT PULE		y= e f(x) dy + f (k) e f(x)
Frsinx = cosx du (uv) = u dv + v du		
(05 X = 5 in X tan X = 5 ec 2 Quotient rule		
cotx = -csc2x d /u v du - u du		
$\frac{\sec x = \sec x (\tan x)}{\csc x + -\csc x (\cot x)}$		
IDENTITIES		
tan = sin/cos cot = 1/+on = cos/ein		
sec = 1/cos csc = 1/sin		