1201 Jn -		De f	? mor har fire	uibve ru (ab)
J+ (NON -	$\begin{cases} F(x) + C, \end{cases}$	ceR) se im	F e ma pri (arb)	mission di P
		lefuit potersei		
	= /c , c elf			
$\left(x\right) dx=$	$x^2 + c$ $c \in \mathbb{R}$	2	+ C , ce	ח
	2 10) Xd c			
	$\int \frac{1}{x} dx$	1x = 2u (x) +	c, cell	
	,	= & + C	, cer	
$a > 0$ $a \neq 1$	Jax dx =	$= \frac{\alpha^{x}}{\log \alpha} + C,$	CER	
D (och loga)	= ox logo.	ega = ax		
		= ~ Cos X + C		
	J COSX dx =	= swxtc	, celr	

	$\int \frac{1}{1+x^2} dx = \text{oneto} x + C, CEIR$
	$\int \frac{1}{\sqrt{1-x^2}} dx = \omega_{\text{Nessur}} x + c, c \in \mathbb{R}$
	regola de derivazione delle funzioni compode:
Allona	-> IR desirable in (a,b)
Se J ER	$d = \frac{1}{\sqrt{2}} \left[\frac{1}{\sqrt{2}} \left(\frac{1}{\sqrt{2}} \right) \right]^{2} + C, C \in \mathbb{R}$
	$\int \frac{4}{f(x)} \cdot f'(x) dx = \lim f(x) + c, ceR$
J & . +	$(x) dx = e^{f(x)} + c, c \in \mathbb{R}$
J Q F(x)	P(x) dx = 1 a P(x) + C, CEIR
J [Sen fc	$x)J\cdot f'(x)dx = -\cos f(x) + C, C \in \mathbb{R}$
[(os f(x)]	$f'(x)dx = sew f(x) + c$ $c \in \mathbb{R}$
1 1 1 [f(x)]	$f'(x) dx = anetg f(x) + c$, $C \in \mathbb{R}$

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Left
$$12x$$

Left $12x$

f: (a,b) -> 11	R dotata a	Li frimi dre	(طه) نسر		
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2) J K f	cx) dx = t	S fcn dx			
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	$x = \int 0. dx$	= <,	CEK		
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K J f (x) d,	x = 0. Jf(x) dx e	P'insieme	Lormato	שופה
ficured oni	del tipo	o, F(x) = c	$\forall x \in (\sigma')$	o) con	F
Primi Liven	di fim (a, b) 0, es	ndi:		
	0 · 1	\$ (x) dx			
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Ders favour one be pue familier de Kfix) $G'(x) = D[kF(x)] = kF'(x) = k\varphi(x) \forall x \in (0,5)$ perene Fe fumitiveu di f Ge bruidvou di t? $\int_{0}^{3} \cos^{3} x dx = \int_{0}^{3} (-\frac{1}{3})^{3} (-3 \sin x) dx$ = $-\frac{1}{3}\int_{3\cos x}^{3\cos x} D(3\cos x) dx =$ = $-\frac{1}{3}\int_{3\cos x}^{3\cos x} + C$, cell D(3x3+1)=3x2 $\frac{1}{9} \int 3^{2} \times (3x^{3} + 1) dx = \frac{1}{9} \left(-\cos(3x^{3} + 1) \right) + c, ceR$ D(3x3+1) Proprietà di linearità f, g: la, b) -> 12 dotate di Jumisve pi (a.b) 1) f+g e dotata de brimitave ju (a.b) 2) $\iint (x) + g(x) \int dx = \iint f(x) dx + \iint g(x) dx$ il 20 mombro è l'insieme formato delle funçai che sous sommer de mar finitive de fe de mue truit de de g. 3) [f(x) + g(x)] dx = F(x) + [g(x) dx con F primitorp dif

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fue 250 m	il eve si dley	four sow man	do ou F	iseklang aun
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