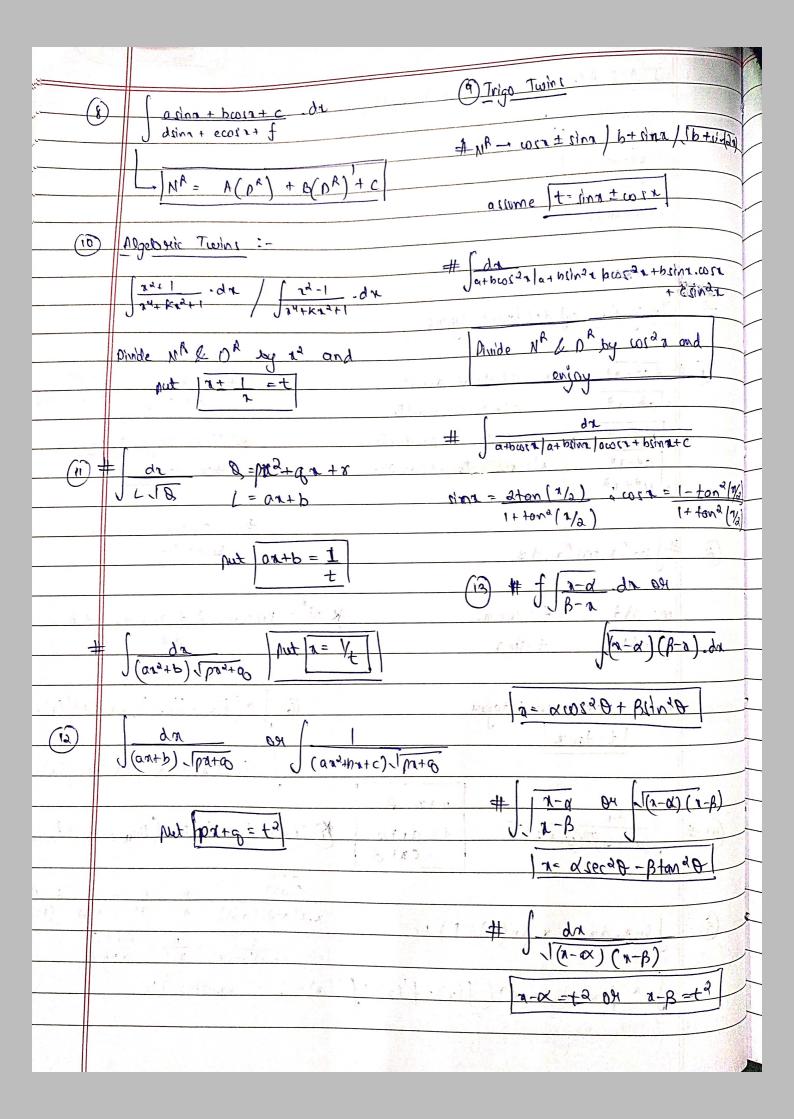


*	$\frac{da}{\sqrt{ a ^2+4a^2}} = \ln\left a+\sqrt{ a ^2+a^2}\right + C$	$\frac{dn}{(n^2-a^2)}$ = $\frac{2n(n+1)^2-a^2}{(n^2-a^2)}$
,		dr = 1 ln r-a + c
	$\int \sqrt{a^2-x^2} \cdot dx = \frac{1}{a} \sqrt{a^2-x^2} + \frac{1}{a^2} \sqrt{x^2-x^2} \cdot dx = \frac{1}{a} \sqrt{a^2-x^2} + \frac{1}{a^2} \sqrt{x^2-x^2} \cdot dx = \frac{1}{a} \sqrt{a^2-x^2} \cdot dx = \frac{1}{a} \sqrt{a} \sqrt{a} \sqrt{a} \sqrt{a} \sqrt{a} \sqrt{a} \sqrt{a} $	
	$\int G^{2} + 2^{2} dx = \frac{1}{2} \int G^{2} + 2^{2$	1 + \[\bar{12^2 + 0^2} \] + C
	1 Tad-a2 - a2 2 2	In (2+ , [22-62) +c
3 7 7	Jean your ga = ear (a sluby = p	cosbi) +c
	Jean-costone da = ean la coston +	-banba)+c
#	Theorem of Integration	# Titegration by substitution
17.1	f(an+h):dn = g(an+b) + c	<u>f(n)=t</u>
	The fall of the state of the st	$f'(x) \cdot da = dt$
#	Integration by part:	L. Olavi I ab lil
	J f(n) g(1) .dx = f(n) Jg(n).da	
	$= f(a) \int g(\mathbf{x}) da$	- fia)(ga).dx).dx

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	ILATE Aule for integration by parts!
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	the effect of the state of the
#	Integration of different types:
1.	Jack Albert
~	the brook of the special
(<u>i</u>) =	$\frac{1}{\sqrt{2a-3a}}$ $\frac{1}{\sqrt{2a-3a}}$ $\frac{1}{\sqrt{2a-3a}}$
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	derived the state of the state
	# livery .d.
<u>(a)</u>	the simma cosma da
9	John Maria Colone
	m = cdd $t = cor a$ $t = linear = A.d(Buada) + B$
. 4 / 5	N=000 + += 11 1
	1 (0 + og) (d+ 20)
	(2) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	m+n = -1e oven integer () e (f(n) + f'(n)) dr = e *f(r) + c
	t=tann
	$\int (f(a) + a) f'(a) da = a \cdot f(a) + c$
15 ,	
(4) #	
0	Jant b) m(cr+d) " t = art b (7) Proper functions (Onemorator < Donomintor)
(10)	A. B. C. O.
(5)	$\left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac$
	$\frac{C3}{(x-1)(x^{2}+4)} = \frac{A}{x-1} + \frac{Bx+C}{x^{2}+4}$
-	$\int e^{\alpha} f(\alpha) dx = e^{\alpha} \left(f(\alpha) - f'(\alpha) + f''(\alpha) - \dots \right) + C$



#	Roduction Jumula:
	$\int tan^{n}dn = tan^{n-1}n - tn = 0$ $\int tan^{n}dn = -tan^{n-1}n - tn =$
(3)	$\int \frac{1}{100} \frac{n}{n} dn = \frac{1}{100} \frac{1}{100}$