			Para la constitución de la const	2 (9)							21111	V=(x+4)	u'=1	u=x-5	16)				4					1/0
	$= -\frac{1}{5} \times + \frac{1}{5} - \frac{8}{5} \times + \frac{1}{5}$	$= -\frac{1}{5} \times ^{5} + \frac{2 \times \frac{5}{2}}{5} - \frac{3}{8 \times 4} + ($	$= \frac{1}{5} \times \frac{5}{5} \times \frac{\frac{5}{2}}{5} \times \frac{3}{5} \times \frac{-4}{5}$	$\int \left(-\chi^{4} + \chi^{\frac{3}{2}} + \frac{3}{2 \times 5}\right) dx$	7	$= \frac{1}{4}(x-5)(\sqrt{x^2+4})$	$\int \frac{2x^2 - 5x + 4}{4 \sqrt{x^2 + 4}} dx = \frac{1}{4} \int \frac{2x^2 - 5x + 4}{\sqrt{x^2 + 4}}$	$\sqrt{\chi^2 + 4}$	= 2 × 2 5 × 1 4	Nn 2+4	$= x^2 - 5 u + x^2 + 4$	- Nx2+4		$= (x-5)(x^2+4)^{\frac{1}{2}}$	$y = (N-5) \sqrt{n^2 + 4}$	(8	$\int \frac{2(2-\ln x)}{x^{\frac{3}{2}}} dx = \frac{4\ln x}{\sqrt{x}} + C$		X 2 J = 1 n x dx = 4/1 n x) + c	$\frac{1}{2} \int \frac{2-\ln x}{x^{\frac{3}{2}}} dx = \frac{\ln x}{\sqrt{x}} + c$		$\int \frac{2-\ln x}{2x^{\frac{2}{2}}} dx = \frac{\ln x}{\sqrt{x}} + \epsilon$		$\frac{1}{dx} \left(\frac{\ln x}{\ln x} \right) = \frac{2 - \ln x}{2 \times \frac{3}{2}}$
= 23 x + 8 e - x + 3 e x + 6	= 24x+8e-x+3e x + C	= S (24-8e-x+3ex-e)/dx	(b) \int (8 + e \times)(3 - e - \times)d \times	= -e ^{3-2×} +($= 2\left(-\frac{1}{2}e^{3-2x}\right)+C$	1+c = 2 Se 3-2x dx	dx = 52e 3-2x du	$\frac{3(a)}{4}$ $\int \frac{2e^{3-x}}{e^{x}} dx$	6 X 2 4	$= \frac{3}{6\pi^2} + \frac{2}{9}\pi^3 d\pi$	$= \frac{1}{3} \int \frac{1}{2u^2} + \frac{2}{3} u^3 dx$	$= \frac{1}{3} \int \frac{1}{x^3} + 2x^2 dx$ $= \frac{1}{3} \int x^{-3} + \frac{2}{3} x^3 dx$	$= \frac{1}{3} \int \frac{1}{x^3} + \frac{2x^3}{x^3} dx$		$= \frac{1}{3} \int \frac{x^3}{x^3} dx$	$\int \frac{1+2x}{3x} dx$		$= \frac{x^{3}}{3} + \frac{2}{3}x - \frac{1}{9x} + 0$	$\int \left(x + \frac{1}{3x} \right)^2 dx$ $= \int x^2 + \frac{2}{3} + \frac{1}{9x^2} dx$		= - 3(3x+5) † C	$= 2 \int (3x+5)^{-1} dx$ $= 2 \left[\frac{(3x+5)^{-1}}{2!-1!} + c \right]$	$= \int 213x + 51^{-2} dx$	b) \ \(\frac{2}{(5+3\text{x})^2} \ d\text{X}

3(1) 57-3e 3x dx 5(4	11 S(10(052K-3sin4u)dx
= 57ex 3e 4xdx	= 5100052xdx - 535in4xdx
=-7e"x-4e"x+c	= 10 S cos 2 x dH = 3 S s in 4 x dx
	$=10\left(\frac{\sin 2x}{2}\right)-3\left(\frac{\cos 4x}{4}\right)$
- 31d) \(\int \frac{3}{3} \) \(\text{ix} \] \(\text{dx} \)	= 55in2x - 41054x+1
= 13 -2x dr	
$= \frac{3^{-1}\times}{2 N3} + c \tag{1}$	o) Sziecznak
4121 Colinear	= 2 Sec ² andn
4(a) S (2x+3) - 3K	-2 (tan 2x) coefficient of x
$= \int \frac{1}{2x+3} dx$	= tanzxtc
$= \frac{1}{n} \frac{1}{2} \times + 3 \cdot 1 + C = \frac{1}{2} \frac{1}{n} \frac{1}{2} \times + 3 \cdot 1 + C$ $= \frac{1}{2} \frac{1}{n} $	2
	1) S sector dx
3 (S-N) UN	= 2 S secrox du
$= 3 \int \frac{1}{3-n} dn$	= 2 Store dx
$= 3 \left[\frac{\ln 3-\lambda }{1} + C \right]$ $= -3 \ln 3-\lambda + C$	= 25 (05 (0) dx
=-3 In 15-X1+C	- 2 [sin 10 x] + c coefficient of x
lihear 5	= \frac{\frac{1\ln 10\frac{10\frac}10\frac{10\frac{10\frac}10\frac{10\frac{10\frac}10\frac{10\frac{10\frac{10\frac}1010\
$(c) \int \frac{5}{(1+5)} dx$	
- 4) 11+5×10 (01)	S tan 230 do tan 20 + 1 = sec 20
$= \frac{5}{4} \ln 11+5\times 1+c = \frac{1}{4} \ln 11+5\times 1+c$ coefficient of x	= \int \text{sec}^2 \text{30} - \text{1d0}
	= 5 105 230 - 1d0
$\left(\frac{1}{\sqrt{1}}\right) \int \frac{-2}{\sqrt{1+1}} dx$	= 3 (7an 30)-0 +C
$=-2\int \frac{\pi}{\pi x+1} dx$	= = = tan 30 - 0 + C
$= -2 \ln \pi x + 1 + ($ $coefficient of x$	

