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9	ai d Sinh (loy) Sinh (logy) = y2-1
- 40	111
	em - e my em - e my em 2
	$\frac{dy}{dt} = \frac{(\frac{1}{2}y^{2}+1)}{(\frac{1}{2}y^{2}+1)}$
qì	$\frac{1}{\sqrt{1+1}} \int_{-1}^{1+1} \frac{1}{\sqrt{1+1}} \left(\frac{x^2-1}{x^2-1} \right)^{\frac{1}{2}} + 1 = \frac{1}{2} \left(\frac{x^2-1}{x^2-1} \right)^{\frac{1}{2}} = \frac{2}{2} \times \frac{1}{2}$
	$(x^2 + 1)^{-2} / + 1$
	$\frac{2 \times (x^{2}+1)^{-3/2}}{x^{2}+2}$
ailt	
	$\frac{d}{dx} \frac{\sqrt{x} e^{2x}}{x^2 + 1} \frac{u}{v} \frac{v dv}{ur} - u dv}{v^2}$
	$(x^{2}+1)(\sqrt{x} 2e^{2x}+1e^{2}(x)^{3/2}) - \sqrt{x}e^{2x}(\sqrt{27})$
	(X2+1),
	: 07/1
	= e7/1 1/41
d F	(1x) = (x2-16) by
	$\pm (x^2 - 16)(2x) = 0$
	$\frac{1(x^{2}-16)(2x)}{\frac{1}{3}(x-4)(2x)=0}$ $\frac{1}{3}(x-4)(2x)=0$ $\frac{1}{3}(x-4)(2x)=0$
	ma of X=4 4=0
	9-0
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Math) 1 200 3 a S JX-2 /x2+ y+1/dx 42 Jx-2 dy = \$/x25" 0 = (x+1 x 1) /d v= lor = 5x+1 x 11 dr Sudv = UV - SV du (x3+x3+x) - S & 2 x x de $u = \sqrt{x-2}$ $dy = \frac{1}{2\sqrt{x^2}} dx$ V. 5 \(\sigma^{2} + (x^{2} + x + 1) \) d1 - 2 Sue +504 +700 4-1/2 2 (x-2)24 + 1403 2 (x-2)24 + 1/2 (x-2)2/2 + 6 b Slax u= lnx du= + 1 1 1/4 du da: 7 da 5 4 ds Judy = (h1)2 + (

c. 6 x1 16x125 \ \alpha = x246x+25 du = 2x+6 dx - 15 1. XUS $\frac{1}{2}\left(\ln(u)\right) = \frac{\ln(u)}{2} = \frac{\ln\left(\chi^2(6n2r)\right)}{2}$ In (12+6+25) - In (0+0+2+) = ND 5-10=N 1-7328 -1.6094 = - 0.1234 4 [eaght = So" [1+ [as]" dr dy of 442- 1/ay Ji VI+(4-3) J2 11+2 +y +g dy 2 -g 24 - 1 + 4 + 4 + 4 + 4 24 - 24 + da = 4 m = N