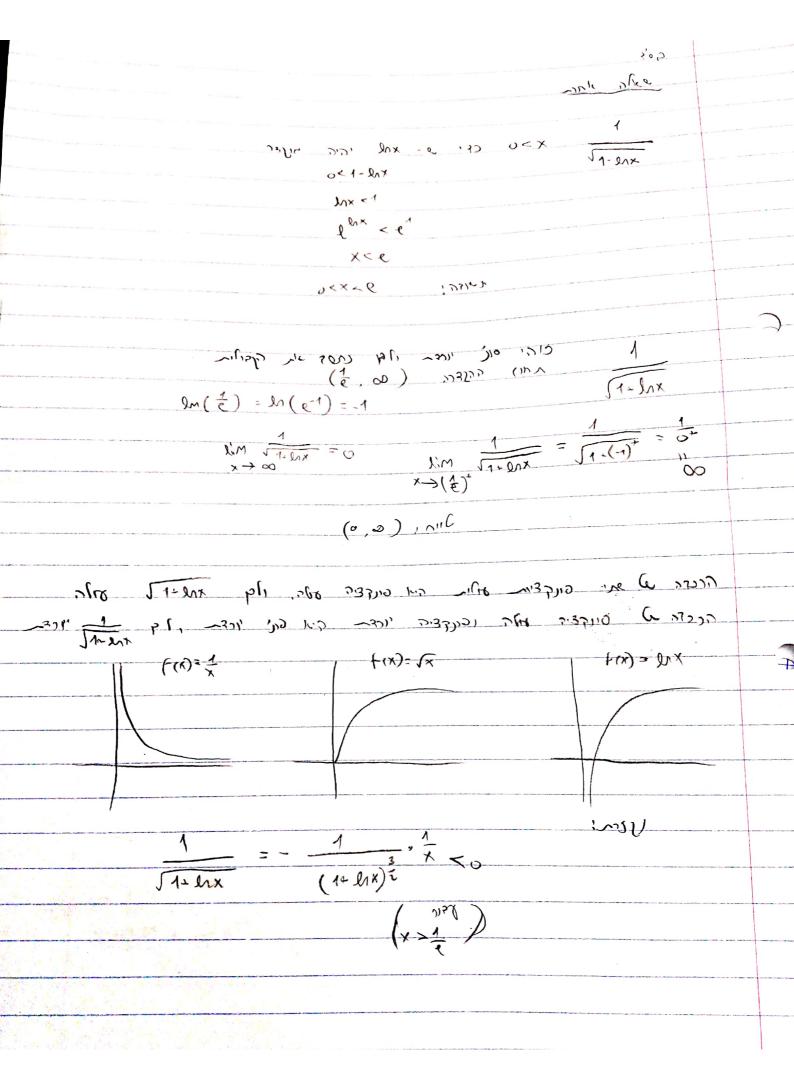
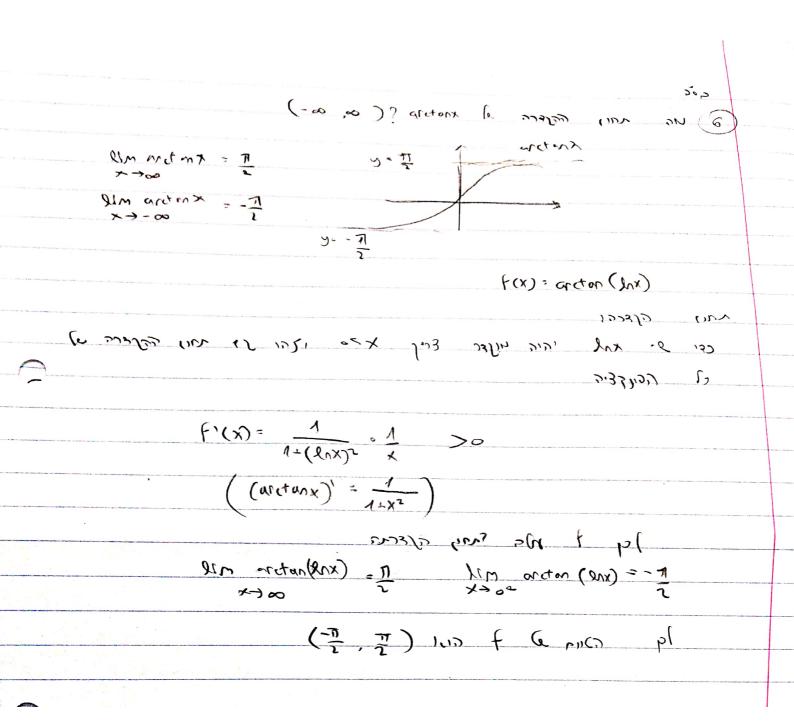
Stoldx. S xext dx = / 4 = x2 /x = { Seddy = 2ext = 2 5 x ex dx = f(x) = x f'(x) = 1 $g'(x) = e^x$ xex-Sexdx = xex-ex - fue - je = fx2ex2 - jex2 0 < X) lax le 22320 (122 124 * NOW NOW NOW IN TO X >0 F(X) . 1 4135c Ech X>0 0 < 1- lox -e (2) 13 , 23 (1) 10 / 1 -e (2)> -1< lox 9<6 e-1 < e lnx وحروه 1 cx 1 < x 1,770x





$$\frac{10}{9} \cdot 9 \cdot 5 \cdot 5 \times \frac{1}{x}$$

$$\frac{10}{9} \cdot 9 \cdot 5 \cdot \frac{1}{5x} = \frac{1}{x}$$

$$\frac{10}{5x} \cdot \frac{1}{5x} = \frac{1}{x}$$

$$\frac{10}{(1+x^{2})^{2}} \cdot \frac{1}{(1+x^{2})^{2}} = \frac{1+x^{2}}{x}$$

$$\frac{10}{(1+x^{2})^{2}} \cdot \frac{1-x^{2}}{x(1+x^{2})} = \frac{1+x^{2}}{x^{2}+x}$$

$$\frac{10}{(1+x^{2})^{2}} = \frac{1-x^{2}}{x(1+x^{2})} = \frac{1-x^{2}}{x^{2}+x}$$

$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{y^{2}}{x^{2}} \cdot 2 \times \frac{2x}{x^{2}} = \frac{2}{x}$$

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$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{y^{2}}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}}$$

$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{y^{2}}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}}$$

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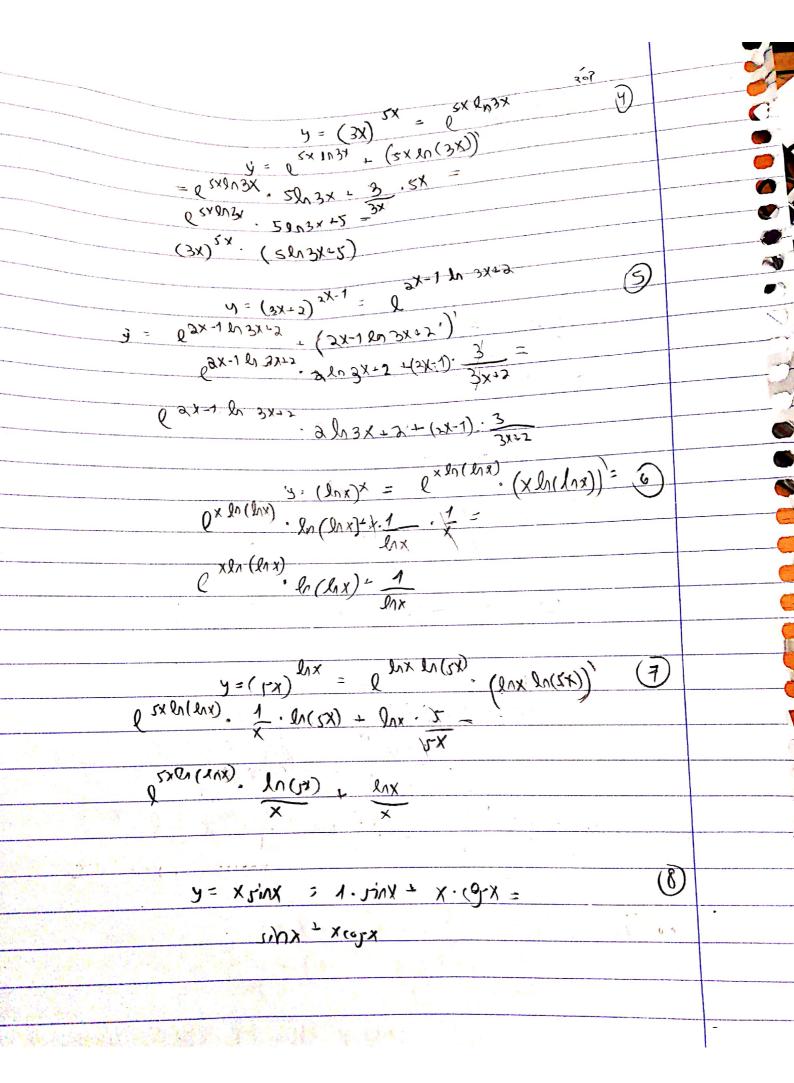
$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}}$$

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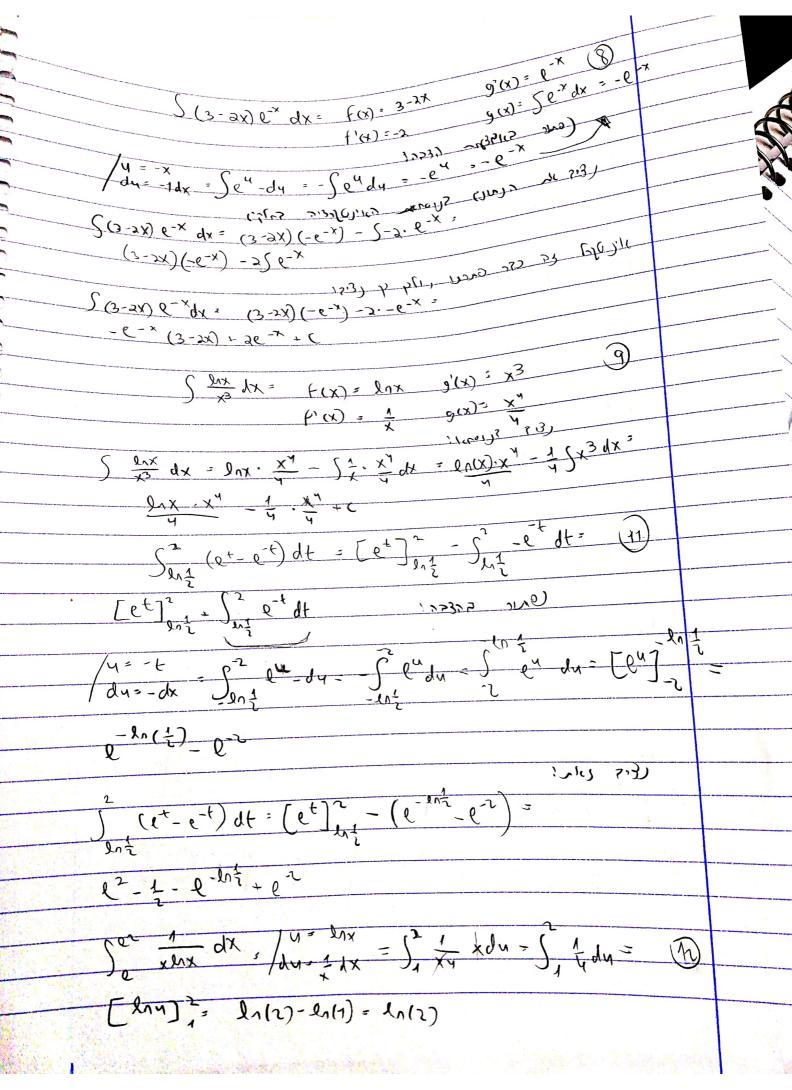
$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}} \cdot \frac{1}{x^{2}}$$

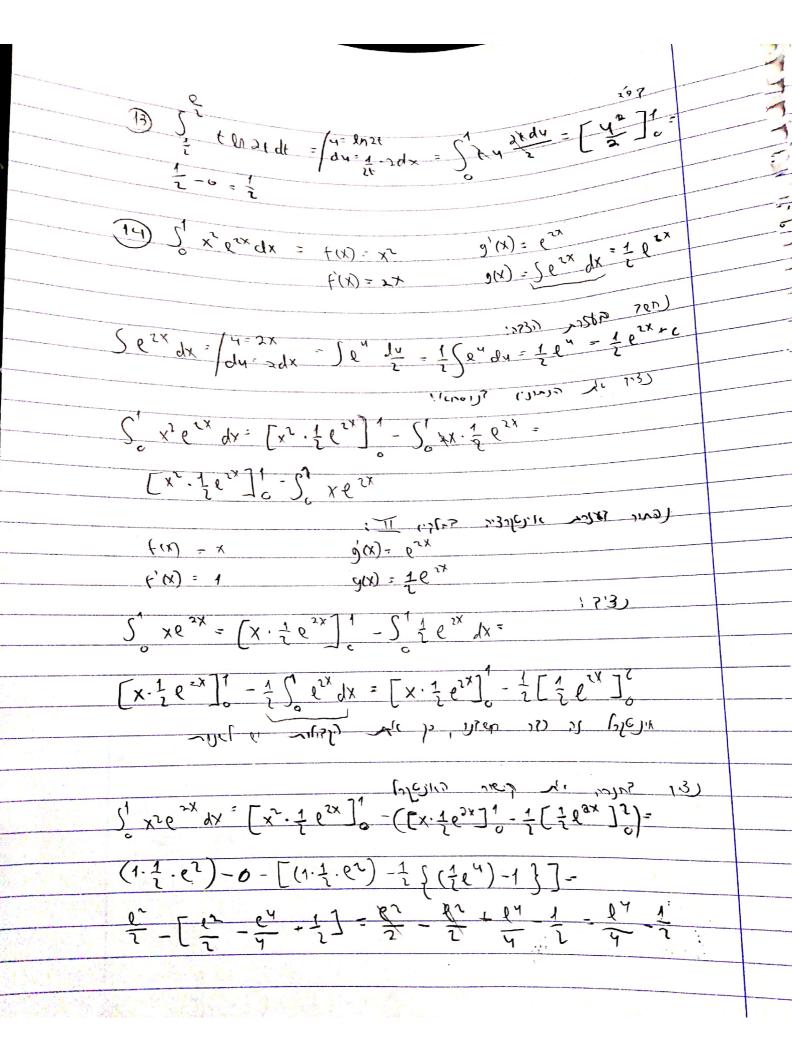
$$\frac{10}{3} \cdot y - \ln x^{2} \cdot \frac{1}{x^{2}} \cdot \frac$$

Jan Jan Jan Land



D S 38x dx = 36xc 3 S (2ex-6: ln2)dx = 2ex+ Clax = 9n2x +c $\Im \int x^{5}e^{1-x^{6}} dx = \begin{vmatrix} y=1-x^{6} \\ dy=-Gx^{5} \\ dx = dy \end{vmatrix}$ -1 C X5e y dy = -1 e1-x6 ln(ln(x))+c $G S \frac{\ln x^2}{x} dx = \left(\frac{y = \ln x^2}{dx = \frac{2x}{x^2}} dx = \frac{y}{x} \frac{dy x^2}{2x} = \frac{1}{2} \right) \frac{y}{x} \frac{dy x^2}{x}$ $\frac{1}{2} \left(y \, dy = \frac{1}{2} \cdot u^2 + C = \left(\frac{2}{2} \cdot x^2 \right)^{\frac{1}{2}} + C$ $\Im \int x e^{x} dx = f(x) = x$ f(x) = 1 $g(x) = e^{x/x} \qquad g(x) = \int e^{u,1x} dx = \frac{1}{0.1} e^{0.1/x}$ iliveria (im) 1,3) Sxe 24 = X. 1 20.1x - 5 = 20.1x - X = x. 1 2 - 1x - 1 5 e 0.1 dx $\frac{1}{\int x^{0.1}x} dx = x' \frac{1}{a_1} e^{-.1x} - \frac{1}{1} e^{-.1x} + c$





 $f(t) = t \qquad f(t) = 0 \qquad \text{for } dt = 0$ $f'(t) = 1 \qquad g(t) = 0 \qquad \text{for } dt = 0$ $\int_{-\infty}^{\infty} dt = \int_{-\infty}^{\infty} dt$ So te 2. dt - [t. -20 e 20] 3 - S1. -20 e 20 dt= [t. - 20 e 10] + 20 55 e 20 dt or they is to get here in their 4= 5-t = 55 8 -2+ = [-308 -20+]-1 S' te to dt = [t.-20 e 20] = 20 {[-20 e tot] = } = 5-20e-t - 20.20e 40 + 20.20e 70)] = = - 1000 - = - 400 640 = 400 - 30