

$$\int \frac{|\sin x|}{|\sin x|} dx = \int \frac{|\sin x|}{|\sin x|} dx$$

$$\int \frac{|\sin x|}{|\sin x|} dx = \int \frac{|\cos x|}{|\cos x|} \cos \frac{\pi}{2}$$

$$\int \frac{|\cos x|}{|\cos x|} \sin x$$

$$\int \frac{|\cos x|}{|\cos x|} \cos \frac{\pi}{2} \cos \frac{\pi}{2}$$

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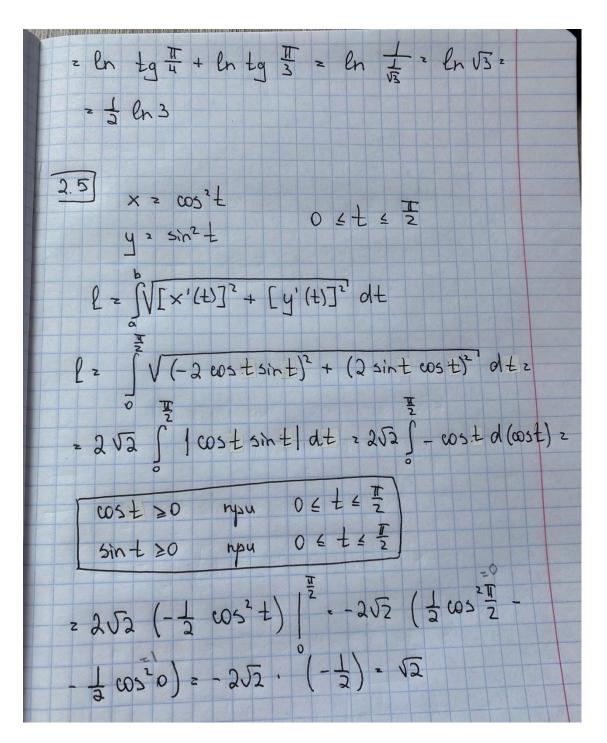
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 $X=8 \sin t + 6 \cos t$ ,  $0 \le t \le \frac{5L}{2}$   $Y=6 \sin t - 8 \cos t$ l= [(x'(+)]2+ [y'(+)]2 dt ## 1 = 5 \ 64cost-96costsint+36sin2+64sin2+96sintcost+ +36cos2t dt = (100(cos2t +sin2t) dt To paperague Menomena-lendruga  $\frac{\pi}{2}$  10  $\sqrt{\sin^2 t} + \cos^2 t$   $dt = F(t)|_0^{\frac{\pi}{2}} = F(\frac{\pi}{2}) - F(0)$ F(t) = S10 \sin^2t + cos^2t dt = 10t + 6  $F\left(\frac{1}{2}\right) = 5\pi$ +(0)=0 L=511

300 overce 1 N3 Mais ru gnury gara. y = 2 4x - 3 4x x x >0. Menegy Jorkann repeceretue ex 24 × - 2 4 × =0 2 45x (3x - 55[x]) =0 4Jx (3x-5 Jx) =0 4 x = 0 3x -5 J[x] = 0 -5J[x] = -3x25 x = 9x T.K. x 70, 25x -9x =0  $x = 0 \quad x = \frac{25}{9}$ x = 0  $x_1 = \frac{25}{9}$  -  $\frac{25}{9}$  -  $\frac{$  $\int \int \int \frac{1}{4} \frac{1}{4} \frac{1}{x^2} - \frac{1}{2} \int \frac{1}{4} \frac{1}{x^2} dx = \int \int \frac{$  $= \int \int \left( \frac{1}{2} - \frac{1}{2\sqrt{3}} + \frac{1}{2\sqrt{3}} \right)^{2} dx = \int \frac{1}{2} \frac{4\sqrt{3}}{\sqrt{3}} + \frac{1}{2\sqrt{3}} \frac{1}{\sqrt{3}} dx = \int \frac{1}{2} \frac{4\sqrt{3}}{\sqrt{3}} dx + \int \frac{1}{2\sqrt{3}} \frac{1}{\sqrt{3}} dx = \int \frac{1}{2\sqrt{3}$  $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}$   $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}$   $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}$   $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}$   $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}$   $=\frac{1}{2}\cdot\frac{4}{5}\cdot\times\cdot\frac{4}{5}\times\frac{3}{5}\times\frac{3}{5}$  $= \left(\frac{4 \times 4 \sqrt{x}}{10} + \frac{4 \times \frac{3}{4}}{6}\right) \begin{vmatrix} \frac{25}{5} \\ \frac{25}{5} \end{vmatrix} = \left(\frac{2}{5} \cdot \frac{25}{5} \cdot \sqrt{\frac{5}{3}} + \frac{2}{3} \cdot \sqrt{\frac{5}{3}} - 0\right) =$ = 20 5 Orber: 20 5 18.

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