© Evaluati:

a)
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a) $\int_{\sqrt{x^2+16}}^{3} dx = \ln(x + \sqrt{x^2+16}) \int_{0}^{3} = 7(3) - 7(0)$

b) $\int_{-1}^{3} \ln(x + \sqrt{x^2+16}) dx = \ln(x + \sqrt{x^2+16}) \int_{0}^{3} = 7(3) - 7(0)$

d) $\int_{-1}^{3} \ln(x + \sqrt{x^2+16}) dx = \ln(x + \sqrt{x^2+16}) \int_{0}^{3} = 7(3) - 7(0)$

$$= \frac{1}{x^2 + 1}$$

$$= \frac{1}{x^2$$

$$A+C=0 = A=-1$$

$$B=0$$

$$C=1$$

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

$$=\frac{11}{2}-\frac{7}{3\sqrt{3}}-\frac{1}{2}\ln(x^2+1)\left[\frac{5}{1}+\ln x\right]^{\frac{1}{3}}$$

Substitutiell trisonométries et int algebria R(n.v) - fundje sidrondā, a>0 SR(x, (2-x) dx, x= a sint som x= a.cost JR (x1/2+x2)dy x=a.tst som x-actst $\int R(X, \sqrt{X^2-a^2}) dx \quad X = \int \frac{a}{a^{1/2}} \int X = \int \frac{a}{a^{1/2}} \int \frac{a}{a^{1/2}} dx$ C) $\int_{1-\sqrt{2}}^{2} dx = \int_{3\pi}^{2} \int_{1-\sqrt{2}}^{2} \int_{1-\sqrt{2}}^{2} \int_{1-\sqrt{2}}^{$ = 2 cost dt = x = 1 = x aint = 1 (00)2d = 2(003)(-1) =)(001) = (00)24+1 $= \left(\frac{1}{3}\left(\frac{1}{3}\cos^2 4\right)\right)$

$$\frac{1}{2} \left(\frac{a \sin^2 x}{a} \right)^{\frac{1}{2}} + \frac{1}{2} \left(\frac{1}{2} \right)^{\frac{1}{2}}$$

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