$C' = \frac{1}{e^{-\frac{1}{2}}} = e^{\frac{1}{2}}$ $y(t) = e^{\frac{1}{2}(-\frac{1}{2}e^{-t^2})} = e^{\frac{1}{2}\{1 - e^{-t^2}\}}$

Tx lnxdx

iAx

iAx

iAx

iAx

Other integrals to attempt

12) - fx to Frather Questions [ms]. \[\frac{8x}{x^2} dx, \int \frac{\ln(\frac{3u}{x})}{x} dx \] \[\frac{\times \frac{4}{x}}{\times \text{+1}} dx \] \[\frac{\times \frac{4}{x}}{\times \text{+1}} \]

 $\int (\ln x)^2 dx, \int t^2 \cos^2 t dt = \int \theta^3 \cos(\theta^2) d\theta$

Does Jar exist? If so what is

its value.?

5 x 9 @ In (x 5-7) dx) [1 x dx) [e/ dx, [x In sidx



 $\int \frac{\chi \ln(\chi^2)}{\chi} d\chi \int \frac{1}{\chi} \frac{\ln(\ln(\chi))}{\chi} d\chi$ Jezo Sin30 dd, Sin3 x cos3 x dx, Stangada, secsada, stanga secsada, Stanz sec4xdx, Ssec3xdx, [36-925] dx, $\int \frac{\chi^2 + 6\chi + 18}{\chi^2 + 6\chi + 18} d\chi , \int \frac{\chi^2 + 7\chi + 4\chi}{\chi^2 - 4\chi} d\chi .$ dr (sinsida), sinsida) J x+2x+2 dx) (++n) ln (1+n) dx