

(95)  $FF(x) = 1-\alpha^2 |\alpha|\langle 1$   $= 6 |\alpha|\lambda |$   $STFC(x) = 2(Sin\lambda - \lambda cos\lambda)$ ea. Fraluate (xcosx-sinx) cosxdx -3x Fc(2) = of fa) cos 24d4 = ((1-42) cos 2 u du + 50 = 15cos2yd4 - 5u2cos2dodu = [sin 24] - [usin24+24024  $= \frac{910\lambda - \left[\frac{910\lambda}{2} + \frac{2\cos\lambda}{2} + \frac{2\sin\lambda}{2}\right]}{2}$  $F_c(x) = 2 \left( \frac{\sin x - \lambda \cos x}{2} \right)$ Using & invorse f cosine hans F(x)= 2 FC(x) cos xxdx  $\frac{1-x^2}{0} \frac{|\alpha|<1}{-2x^2} \frac{|\sin \lambda - \lambda \cos \lambda|}{|\alpha|>1} \frac{1-x^2}{5t} \frac{|\sin \lambda - \lambda \cos \lambda|}{|\alpha|>1}$ 

