

6. HJ. Sp JX+XJX = Sp JX(1+X). = 18=x2 /3 = 2 /3 (+te = 2 over tom t = = = (= - over tom 3) 7. J. J. Susx-wix obx $=\int_{\frac{\pi}{4}}^{\frac{\pi}{4}}\int \cos x \, |edx = \int_{\frac{\pi}{4}}^{\pi}\int \cos x \, \sin x \, dx$ $+\int_{\frac{\pi}{4}}^{\frac{\pi}{4}}\int \cos x \, \sin x \, dx = \frac{2}{3}\left(\cos x\right)_{\frac{\pi}{4}}^{\pi}-\frac{2}{3}\left(\cos x\right)_{\frac{\pi}{4}}^{\pi}$ $=\frac{1}{3}\left(4-\frac{4}{32}\right)$ 8. m. ef. $y=e^{x}$ $y=e^{x}$ $y=e^{x}$ $y=e^{x}$: A = [(ex-ex)dx = [ex-1/ex2] = =-1 9. jit. 12 fex)= arctomx + arc wtx 21 f(x)= 1/2 - 1/2 =0 : f(x)=C TR X=0 m == C : +10= ==