Kpacull noba X A-04-23 11 Bapuaum x=ancgin t  $\int \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \int \frac{1}{\sqrt{2}} \frac{1}{$  $\frac{dx}{x=4} = \frac{\cos^2 x = 1 - \sin^2 x}{\sin^2 x} = \frac{1}{x=0} = \frac{1}{x=0} = \frac{1}{x=0}$ = \$ (1-t2) VI+E dt = \$ | V + 1 - t2 V 1+ t dt = SVE+IdE-Stavitedt mf SVE+1 dt= 3(1+6)3/2 10 JthV1+ tdt = ft+t=U = = = [(u-1) Tu du = [(u Vu - 2 uvu + vu)du = = ] u \* vu du - 2 ] u vu du + ] vu du = = Ju 5/2/11 - 2 Ju 3/2 du + Ju 1/2 du = = \frac{2}{4} 11/2 /2 - 2 \frac{2}{5} 11/2 /2 12 = \frac{2}{y} \cdot 8\lambda \frac{2}{y} - \frac{2}{y} - \frac{4}{5} \dot 4\lambda + \frac{1}{5} + \frac{1}{5} \alpha 2\lambda - \frac{2}{3} - \frac{2}{3} - \frac{2}{3} - \frac{1}{3} \dot \frac

$$= \frac{44\sqrt{3}}{705} - \frac{16}{705}$$

$$= \frac{2}{5} \cdot 1\sqrt{3} = \frac{2}{3} - \frac{44\sqrt{3}}{705} + \frac{16}{705} = \frac{32\sqrt{3}}{35} - \frac{18}{35} = \frac{32\sqrt{3} - 18}{35}$$

$$= \frac{18}{35} = \frac{32\sqrt{3} - 18}{35}$$

$$= \frac{12\sqrt{4}}{3} = \frac{1}{35} = \frac{1$$

 $\frac{13.11}{y=0} \quad y = tg x$  y = 0  $x = \frac{\pi}{2}$  $tgxdx = \int \frac{ginx}{cosx} dx = \int \frac{t}{dt} = \frac{108x}{sinxdx}$ 4=0 => p=0 4= # > P= 2 4= 1 => P=0 4= \$ = p = 0 P = 4 => P = 2 4=-# = P=D 4 = - 2 => P=2

S= 2 1 4 sin 4/24) dq S= 8 sin 4(24) dy = fx=24 == = 4 / lin x dy = / (1 - 1082x) dx =  $= \int_{0}^{\pi} \left(1 - 2\cos 2x + \cos^{2} 2x\right) dx =$ = | dx-2 | ws 2xdx + | ws 2xdx = = x/3 - fin (2x)/4 - 1/1+ assux/dx= = 8/1 - sin2x/# + 1/dx + 1/cos wdx = = X/#- fin 2x / + X / + Pin 4x / = = JI-0+ #+0= 3H 056 < 1  $2y = \xi - \xi^3$ l= |Vx/t)2+ y/t)2dt = |V12t2+ (1-322)4

 $=\int \sqrt{12} \frac{1}{4} dt = \int \sqrt{12$