Taenes 4 J dx = P 3+ 2/+ = 3 5 + 2/+ = 3 5 + 17 = = 3en 14+11+c=3en 13/x+11+C ST+3x3 dx = St2.413/t = S4/3 dt = 45/4 dt= = 4. 81 (u-1) du= 9 8 du-7 6 du= 4 4-4 en lu 10= = 4 (1++3) = 4 en11++31+C=4 , 4x3-4 en11+4x3+C 8414 Jx+35x2+65x dx= J+6+4 . 6+5/+= $= 6 \int \frac{f(f+t^3+1)}{1(1-t^2)} dt = 6 \int \frac{f+f^3+1}{1-t^2} dt =$ $=6\int_{-\frac{1}{2}-1}^{\frac{1}{2}+t^{3}+1}Jt=-6\int_{-\frac{1}{2}-1}^{\frac{1}{2}-1}(t^{2}+t^{2$ -6(+3/+-12)+d+=-12)+d+-6)+1-1-6/+3/+-13/+d+= = -6 Sy -6 Str -6 St 3t - 12 St = -6 en/41--6.5 en / t-1) -6. +9-12+3+0=-6en/3+-1-3en 18x-1/-3-3/2-63/4-C=-6en/5/4-1/#-3en 15/4-1/+ + 3en 15/411- 3 3/2-63/+C= -9ne/5/x-11+3en 108+1-3 582-638+C.

8415 1x-31x = 6 Jay 1 dt = 6 Strat = = 6 S(42-1) (+2+1)-1)+= 6 Spet +6 Stall +68 St= = 6. gen/+-1/+6+3+6+1c=3en/02.1/+ 25x+654+c. 8416 S dx = 2 5++ dt = 2 + 1+1 dt = 25 (+-1) (++1) dt + + 2 [++ = 2 [+df - 2 [d+ = 2 [df = 2 . +2] + + 2 en [+ + +] + C= $= x - 2\sqrt{x} + 2en(\sqrt{x+1}) + e$ STROX = 65+2+= -65+8 df = -651-10/8,18,18,12,11/1 = -65+7-65+8+-65+8+-65+3+-65+3+-65+5+= =3en/+-1/-6-fx 6-fs -6-f3-6+c= = -3en |x -1 - 6 . 76 - 6 x 16 - 2 - x 1/2 - 6x 1/4 C.

P Jx+2 dx = P+-tt dt = 2 ft 2 dt = 2 ft 2 dt + 2 ft - 2 dt = - 2 St2 St= 25+2-2 St1252 St= 25dt-45t= 26+4. 1 en/1-52/+C= eJx+2+52en/ J+12-52/+e. Sure = (1-1) sts/t = 6/7+1 dt = = 6S(18.17.66-1514+9df=6A31-6St31+6St9+--6St gt +6 Styl-6 st gt-6. \$ -6. \$ +6. \$ -6. \$ 16. 5 -6.10+C=6.(5/41)5-05/41) +6.15/41)7 -6. (5x+1) 615x+1) 5-615x+1) 46 = = 2 (x+1)= -3(x+1) 1/3+5(x+1) 1/6-2(x+1) 1/6-2(x+1) 3+C. 8420 Six10 1/2 + 8 + 10 1/2 = 2 5 + df = 2 5 + 1 = 2 1 - avefg + + e = = 2 arcfg 51-11c.

JUITE JX = 25 +-1 = 25 (+-1) (++2) +2 J = = 25tdf +41df +45df = +2+41+4.en/+-1/=xx1+Jxxx4+ +4.en 15x+1-11+C=x+45x+1+4en/5x+1-11+C. = J(2x-1)3 - J2x-1 + C = (x-2) J2x-1 + C Sur-2x-251-2x = -2 \frac{f^3}{t^2-t} = -2 \frac{(f+1)dt-55t}{t-1}= = -2 - 12 - 2 f - 2 en | f - 1 | + C = - +2 - 2 f - 2 en | f - i | + c = = - SI-2x - 251-2x - 2en/951-2x - 1/+e. 8924 $\int \frac{1}{(2-x)^2} \cdot \int \frac{2-x}{2+x} \, dx = \int \frac{1}{(2-x)^2} \cdot \int \frac{1-8t}{(2+1)^2} \, dt = \int \frac{1}{(2+1)^2} \, dt = \int \frac{1}$ $=\int \frac{(f^2+1)^2}{16t^4} \cdot \frac{1}{(+2+1)^2} dt = \int \frac{5t}{2t^2} = -\frac{1}{2} \int t^2 dt =$ $= -\frac{1}{2} \cdot \frac{f^{2+p}}{-2+1} + C = \frac{1}{2+} + C = \sqrt{2+x} + C$

JUA-13-(X-2) = DX-104. Ure = SA-102. JX== = J (+2-1)2 . 2+ df= S 2St= 2Sd+=2+0=25x-2+0 J3 (x-1)2(x+1)2 = STX+03[x+1] = S(+3+1)+ (+3-1)+ (+3-1)= = -3 St3-1 dt = -3 St-10/72+++10 dt = -3 St-10 dt--35 3(+4+1)2f=-51 df+5+2+++1 Sf= = -St+1+25 dy-3/2 sq21/3)2=enlt-1/+ 2enlul--3. 53 avolg 25 +c= -en/3/41/-1/+ + 2 en/3(x+1)2+3(x+1)-53 cerefy(23) ++1)

8427 J'(1-x) J-x2 = S(1-x) (1-x) (1+x) = S(1-x)^2. SI+K = = Set 1 = 12 + (+2+1)2 + = Set 2+1 = 4+ (+2+1)2 + = = JS+=+1C=151+X.+C 8428. SX(1+3/2)3 = SX (1+X/3) 3/X = St3(1+t) 3-3+3/= = S+ -1/+3++3++1 = 3 [+ 43+3+3+2++) = += = 3 Stat + 17 = 3 Stat - 3 Stat - 3 Stat - 3 Stat = 3 Sta = 3en |+1-3en |+1 |-3(+1) -3(+1) 2+C= =3en(x"3+1)-2+C=enix -3entor+1)+55+1+25+1)2+C 8 429 Sx3 JI+X2 JX = Sx3.(14x2/2 Jx= SSF=113+ -+ dt= (514x2)3+C=(1+2x2+x4)51+x2)-(14x2/51+x2+C

8430. $\int_{X^{11} \cup X^{12} + 1}^{1} = \int_{X^{-1}}^{1} (x^{4} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} (x^{2} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} (x^{2} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} (x^{2} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} (x^{2} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} (x^{2} + 1)^{\frac{1}{2}} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1} dx = \int_{Y^{1} \setminus X^{2} + 1}^{1}$

8440. $\int \int_{1-x^{2}}^{2} dx = \int_{x}^{2} (1-x^{2})^{\frac{1}{2}} dx = \int_{1-t^{2}}^{t} (-1)^{\frac{1}{2}} dt = \int_{1-t^{2}}^{t} dt = \int_{1-t^{2}}^{t^{2}} dt$ 8442. $\int_{X} \cdot \int_{X-2d} + = \int_{Y} '(x'-2) \cdot \int_{Z} /x = \int_{Z} (x'-2) \cdot \int_{Z} (x'$

 $S_{\frac{1}{2}} = S_{\frac{1}{2}} =$