Primilivos P2 = 22e Sadre = 2cp (6.1) a) Satz da S7 dt = 24 Sx = 2 911 = 3/4 du + Sade = 322 + 24 + C, CFR d) S Vai d4 = S 2 d4 - 2e = 5 7773 + C July = Mari 3 (1+242) = 3 3 (1+242) 4 4 (157 15/12

1) \\ \frac{1}{5\sqrt{2-3u}} du = \frac{1}{3}(2-3u)^{\sqrt{2}} du i) of 24 do = for 142 [[] = Rm /4] $\frac{1}{1+46} de = \frac{1}{1+42} =$ JUGGH = FEMM JUGGH = FEMM JUGGH = GGM 1) Deeru Cos (erm) du

E of Ferr (e?4) of C

Stu = ord 4 E) \[\frac{1}{5+42} d4 1742 = 22 M 1 (5)2 + 42 d4) 92 +42 = 1 or J (M) 一型(类)十0 POR PARIEI $\int \mu'_{\nu} = \mu \nu - \int \mu \nu$ CV. Ky. ey loru

Corp dic. ~

The Idinini (6.3) d) Size 4 d4 V=42 -> V'=24 = exu? - Sexendle 15/12 M= 24 -> 1/= 24

= exx2 - (ex2u - Sex2 du)
= e42 - e22 + 2 Se4 du
= u3e4-24e4 222 + 2

e) Jax Por (24) du = 21 fm (24) - J4x1 der = 2(R (24) - / 1 dz - 20 Pm (24) - 20 + C J74 28-34° du CA Jul 8-32° Jul 8-34° - 2 - 8-321 × C

Jule 8-34/4 = [-3 e8-343] * = - \frac{1}{6} \left(8-3x2^2 \right) \left(-\frac{3}{6} \left(8-3x0^2 \right) \right) =-3-6-4-2-68/ Salstituico 5) SuV1+34 du O que xadéa = { · V1+34 = 5 6 2 6 mg · du = 9 × dx J(5° 31) x x x 3 F of x =3 (21) 12 dx = 3 5 = 4 13 dx $\int \frac{1}{\sqrt{(1+2^{2})^{3}}} du = \int \frac{1}{\sqrt{1+2^{2}}} \frac{1}{\sqrt{1+2^{2}}} du = \int \frac{1}{\sqrt{1+2^{2}}} du = \int$

(6.5) $f' = \int_{A}^{1/2} \int_{A}$

f = Sf = Sadute du = Sadudut Sadu

M1=1 -> M= 2 1 x dil y dre V= dyn - 1 - 1+22 9 = 20 2/4 - 5 x x 1 de f= 22 of - 1 lm (422) + 24 + D Pite

\(\(\) \(· f(m) = Norte - - - - - 1421 + 74-1 (6.8) b) $\int \frac{x^3}{x_{41}} dx$ grow (me > Lex Dirdy 23+043+04+0 [4+1 15/12 N=OIR 26 -1 6

$$\int_{M+1}^{M^{2}} = \int_{M^{2}-M^{2}} \frac{1}{2M} du$$

$$= \frac{M^{2}}{3} - \frac{M^{2}}{2} + 10 - \int_{M+1}^{M} du$$

$$= \frac{M^{3}}{3} - \frac{M^{2}}{2} + 10 - \int_{M-1}^{M} |2M| du$$

$$= \frac{M^{3}}{3} - \frac{M^{2}}{2} + 10 - \int_{M-1}^{M} |2M| du$$

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$$= \frac{M^{3}}{3} - \frac{M^{3}}{3} + 10 - \int_{M-1}^{M} |2M| du$$

$$= \frac{M^{3}}{3} - \frac{M^{3}}{3} + \frac{M^{3}}{$$

$$\int \frac{3u+1}{n^2 u} du = \int \frac{1}{4} + \frac{2}{u-1} + \frac{1}{u+1} du$$

$$= -\ln|u| + 2\ln|u-1| - \ln|u+1| + C$$

3 (