Métodos de Integração

Middles De Sategração

(1) Sategração por Autotituição Dimple

(2) Integração por Partin (
$$\int U dv = M \cdot Nr - \int Nr du$$
)

(3) Integração por Dubrituiçãos Trigonomitrican

(1) Integração por Incara Carriain

(2) $\int \frac{dM}{(X+bX)^3} dx$... $\int \frac{dM}{M} = \frac{1}{2} \int \frac{dM}{U^{\frac{1}{3}}} dx$

$$\int \frac{dM}{M} = \frac{1}{2} \cdot (X+b) dx$$

$$\int \frac{dM}{M} = \frac{1}{2} \cdot (X+b) dx$$

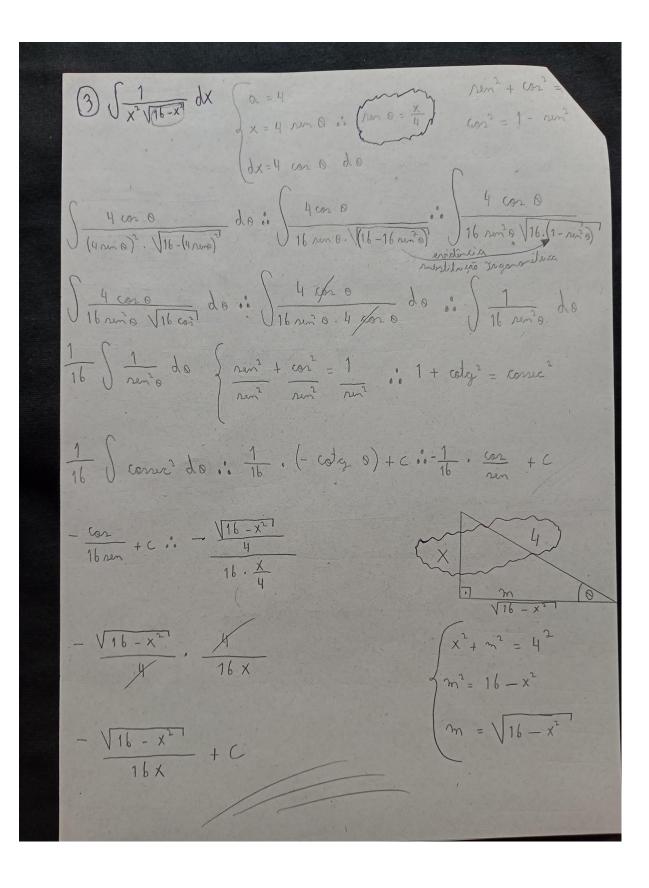
$$\int \frac{dM}{M} = \frac{1}{2} \cdot (X+b) dx$$

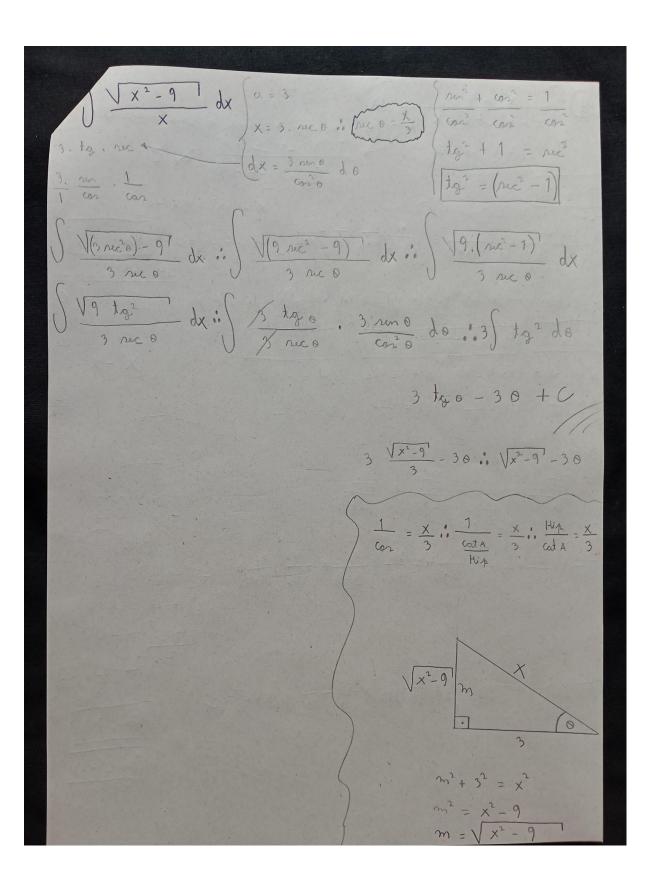
$$\int \frac{dM}{M} = \frac{1}{2} \cdot \frac{1}{$$

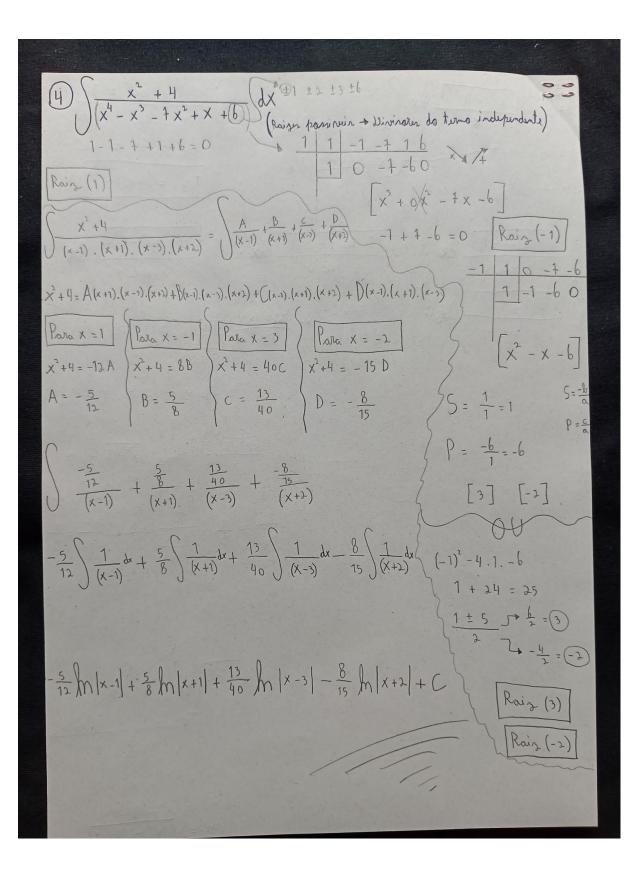
I see (x) dx in [sic (x)). (sic (x)) dx { m= sec(x) dn=tg(x). sich rec (x) dx = tg(x). rec(x) - () tg(x). tg(x). rec(x) dx Jeonema Jundamental

(ren² + cos² = 1

da Trigonometria ((nec - 1). nec dx) (nen) + con = (nen) - S rec (x) dx + Srec (x) dx tg2 + 1 = rec (tg2 = sec2 -1) m [ne(x) + tg (x) + c) rec3(x) dx = tgx. rec(x) - 5 rec3(x) dx + h | rec(x) + tg(x) 2 \ \rec^3(x) dx = tg(x). \rec(x) + h \ \rec(x) + tg(x) I sec (x) dx = 1 , tg(x). sec(x) + In sec(x) + tg(x)







Fórmulas

Rigar do golociente (Derivados)	$\frac{1}{n}$ conecade $\frac{1}{n}$ $\frac{1}{$
$F(x) = \frac{f(x)}{g(x)} \qquad \left[\frac{x^2 - x - x^2}{x^2} \right]$	$\frac{1}{\cos}$ + records $V = \prod_{k=1}^{n} \int_{0}^{k} f^{k} k dx$ (Value)
$F'(x) = f'(x) \cdot g'(x) - g'(x) \cdot f(x)$	con a cotangente Varil = 7 5 f(x) - g2(x) dx
Regra do Produto	$\int e^{2x} dx = \frac{e^{2x}}{2} + C$ $\int \int e^{2x} dx = \frac{e^{2x}}{2} + C$ $\int \int $
F(x) = g(x), h(x) [u v + u v]	$\int_{0}^{\infty} dx = \frac{2x}{3} + C \int_{0}^{\infty} dx$
$F(x) = g(x) \cdot h(x) + h(x) \cdot g(x)$ $\mu: \operatorname{Auc}(x) \qquad \operatorname{du}: \operatorname{Ly}(x) \cdot \operatorname{Auc}(x) \left\{ \begin{array}{c} u: 2x \\ u: 2x \\ u: 3x \\ u: 3x \end{array} \right. du: 3x$	$\int_{0}^{2} e^{4x} dx = \frac{1}{4} + C$
M: sen (x) du: con (x) M: 2 du:21 M: 23x du:3 & du:3 & du:3 & du:4 &	Solution Supreprior)
m; tg (x) du: sic (x) / x; 5x du; 5 x 10x; 5x	im 1 dx ex graph
$u: h(x) = du: \frac{1}{x} dx \left[u: e^{\frac{1000}{x}} du: 100 t \right]^{\frac{1}{x}}$	The state of the s

Derivodas Regra do quacinte Regra da Pradula [M'N-MN'] [M'N+MN'] M: sen(X) du: cos(X) M: cos(X) M: tg(X) du: sec²(X)	u: e ^x du: 1. e ^x u: e ^x du: 1. e ^x u: e ^{5x} du: 5 e ^x u: e ^{5x} du: 5 e ^x u: loox du: 100 e ^x u: log _b (x) du: 1 x ln(b)
$f(x) = x^{3} - 9x + 3 \qquad f(x) = x^{2} - 1$ $f(x) = 3x^{2} - 9 \qquad f(x) = x^{2} + x^{2}$ $f(x) = x^{3} + x^{2} + x^{3}$ $f(x) = x^{3} + x^{4} + x^{4}$ $f(x) = x^{3} + x^{4} + x^{4}$	$f(x) = \cos(5x)$ $f(x) = -5 \cdot \sin(5x)$ $f(x) = -25 \cdot \cos(5x)$