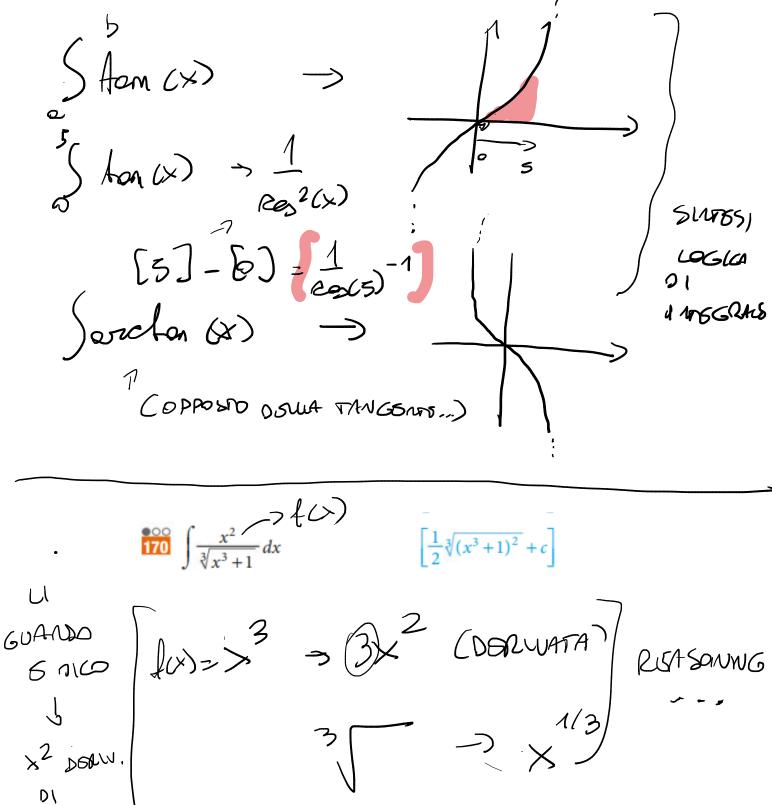
n Riferiment... Pez, 105 es. 170/141/173/174 $\left[\frac{1}{2}\sqrt[3]{(x^3+1)^2}+c\right]$ $\frac{x^2}{\sqrt[3]{x^3+1}} dx$ 1) Sfw o S fax / NOBTE VUTO? DIGRUPO (ACB) RAGGIUPPA (SOMADORA) 1 LARS GRUE AZB INDEFINATO ATTOX

(LING.

MATORINO) & Lexists & moderist

mexist LATEX



$$\int_{3\sqrt{x^{3}+1}}^{2} dx = \int_{x^{2}+1}^{2} dx$$

$$(x^{3}+1)^{1/3}$$

× 3

$$\int_{-\infty}^{\infty} \frac{2^{3}}{3^{3}} = \frac{1}{3} + 1 - \frac{1}{3} + \frac$$

$$\int \frac{x}{\sqrt{x^2 + 10}} dx$$

$$\left[\sqrt{x^2 + 10} + c\right]$$

Then $du=\left(x^2+10
ight)'dx=2xdx$ (steps can be seen <code>here</code>), and we have that $xdx=rac{du}{2}$.

$$\int_{3} \frac{x^{2}}{\sqrt{x^{3}+1}} dx \qquad A = \frac{1}{3}x^{2} \qquad \text{old} = \frac{1}{3}x^{2}$$

$$(x^{2} = \frac{dA}{3}) \Rightarrow x = \sqrt{\frac{1}{3}}$$

$$(x^{2} \Rightarrow \frac{1}{3}) \Rightarrow \int_{3} \sqrt{A} = \frac{1}{3} \int_{4} \sqrt{A}$$

$$= \frac{1}{3} \int_{4} A^{-1/2} = \frac{1}{3} \left(\frac{1}{1/2}\right)$$

$$= \frac{1}{3} \sqrt{1} + \frac{2}{3} \sqrt{1}$$

DIGUTTANO 1

CATIBLO

DI VARIABIUS!