Anea Líquida Consider f(x) ER $\int f(x) dx = \int$ $\int_{n}^{1} g(x) dx = \lim_{n \to \infty} \frac{\sum_{j=1}^{n} g(x_{j}) dx}{\sum_{n \to \infty}^{n} g(x_{j}) dx}$ Ane & retempt Cujà a the saw regelha. A=(3)(x)= 2 Az = (3)(3)-2

$$\int_{-3}^{3} f(x) dx = -A_{I} + A_{II} = \frac{2}{2} \frac{1}{2}$$

$$\int_{-3}^{2} \{(x) \, dx = A_{5} - A_{5}$$

$$= 2 - 2.$$

$$= \frac{9}{2} - 2.$$

$$= \frac{9}{2} = \frac{5}{2} = 25 \text{ mo.}$$

$$= \frac{4(x)dx}{3}$$

$$\int_{0}^{1} f(n) dx = -\int_{0}^{3} f(n) dx$$

$$\int_{3}^{6} f(n) dx = -\int_{0}^{3} f(n) dx$$

E refeho.

$$\Delta X = X_{F} - X_{i}$$

$$\Delta B = B_{F} - B_{i}$$

Duta Propriedade: $\int_{a}^{b} c dx = c(b-a)$ Example 71 3×5 = (574) $= \int_{3}^{6} 7 dx = 7(53)$ Sack = 7(-2) = -14 Outro profised by: $\int_{a}^{b} f(x) dx = \int_{a}^{c} f(x) dx + \int_{c}^{b} f(x) dx$ $\int_{a}^{b} f(x) dx = \int_{a}^{c} f(x) dx + \int_{a}^{b} f(x) dx$

Exemplo:
$$\int_{1}^{3} \{(x)dy = 5\}$$

$$\int_{2}^{3} \{(x)dy = 7\}$$
Usenba flopriedde

1 Inturção
$$\int_{2}^{3} \{(x)dy = 7\}$$

$$\int_{2}^{3} \{(x)dy = 3\}$$

$$\int_{2}^{3} \{(x)dy = 3\}$$
Usa a un hinição.