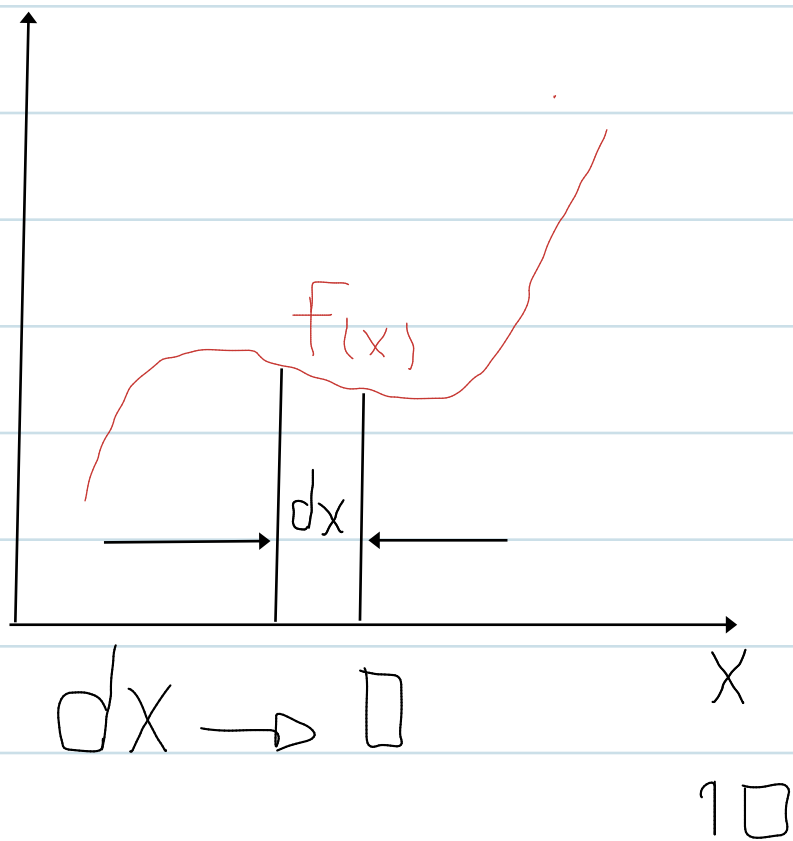


Integral

$$I = \int_a^b f(x) dx \rightarrow f(x)$$



$$I = \int_0^{10} \underbrace{x^2 - 5x + 6}_{f(x)} dx = \left[\frac{x^3}{3} - 5\frac{x^2}{2} + 6x \right]_0^{10}$$

$$I = \left[\frac{10^3}{3} - 5 \cdot \frac{10^2}{2} + 6 \cdot 10 \right] - [0] = \frac{430}{3}$$

área abaixo
da curva