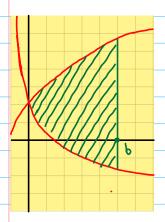


$$\frac{f(x)=x+1}{\begin{cases} \frac{1}{2} \cdot 2 \cdot 2 \\ = 2 \\ 2 \times 2 = 4 \end{cases}}$$

$$A = \int_{1}^{3} (x+1) dx$$

$$= \left[\frac{1}{2}x^{2} + x\right]_{1}^{3}$$

$$= \left[\frac{9}{2} + 3\right] - \left[\frac{1}{2} + 1\right]$$



$$A = \int_{0}^{b} (f(x) - g(x)) dx$$