$$\left(\int f(x)\,\mathrm{d}x \right)' = f(x)$$

$$\int (f(x) + g(x))\,\mathrm{d}x = \int f(x)\,\mathrm{d}x + \int g(x)\,\mathrm{d}x$$

$$\int (f(x) + g(x))\,\mathrm{d}x = \int f(x)\,\mathrm{d}x + \int g(x)\,\mathrm{d}x$$

$$\int (f(x) - g(x))\,\mathrm{d}x = \int f(x)\,\mathrm{d}x - \int g(x)\,\mathrm{d}x$$

- $\int k \, \mathrm{d}x = kx + c$

- $\int k \, \mathrm{d}x = kx + c$
- $\int \frac{1}{x} = \log(x) + c$

- $\int k \, \mathrm{d}x = kx + c$
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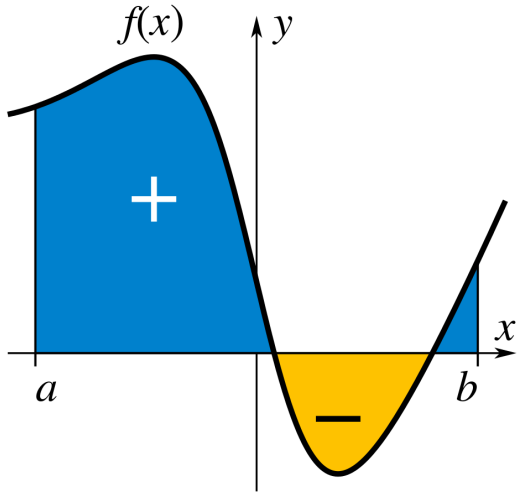
- $\int e^x \, \mathrm{d}x = e^x + c$

- $\int k \, \mathrm{d}x = kx + c$
- $\int \frac{1}{x} = \log(x) + c$
- $\int e^x \, \mathrm{d}x = e^x + c$
- $\int x^n \, \mathrm{d}x = \frac{x^{n+1}}{n+1} + c, \quad n \neq -1$

- $\int \cos(x)\,\mathrm{d}x = \sin(x) + c$

- $\int \cos(x)\,\mathrm{d}x = \sin(x) + c$
- $\int \sin(x)\,\mathrm{d}x = -\cos(x) + c$

- $\int \cos(x)\,\mathrm{d}x = \sin(x) + c$
- $\int \sin(x)\,\mathrm{d}x = -\cos(x) + c$
- $\int \tan(x)\,\mathrm{d}x = -\log(\cos(x)) + c$



$$S = \left[\int f(x)\,\mathrm{d}x\right](b) - \left[\int f(x)\,\mathrm{d}x\right](a)$$

$$F := \int f(x)\,\mathrm{d}x$$

$$F := \int f(x)\,\mathrm{d}x$$

$$\int_a^b f(x)\,\mathrm{d}x := F(b) - F(a)$$

$$F := \int f(x)\,\mathrm{d}x$$

$$\int_a^b f(x)\,\mathrm{d}x := F(b) - F(a)$$

$$\int_a^b f(x)\,\mathrm{d}x := \lim_{x \to b_-} F(b) - \lim_{x \to a_+} F(a)$$

Merci pour votre attention