

CAŁKI NIEOZNACZONE PODSTAWOWYCH FUNKCJI ELEMENTARNYCH

$$\int 0 \, dx = C$$

$$\int a \, dx = ax + C$$

$$\int x^\alpha \, dx = \frac{x^{\alpha+1}}{\alpha+1} + C \quad \alpha \neq -1$$

$$\int \frac{1}{x} \, dx = \ln|x| + C$$

$$\int e^x \, dx = e^x + C$$

$$\int a^x \, dx = \frac{a^x}{\ln a} + C$$

$$\int \sin x \, dx = -\cos x + C$$

$$\int \cos x \, dx = \sin x + C$$

$$\int \frac{1}{\cos^2 x} \, dx = \operatorname{tg} x + C$$

$$\int \frac{1}{\sin^2 x} \, dx = -\operatorname{ctg} x + C$$

$$\int \frac{1}{1+x^2} \, dx = \operatorname{arctg} x + C$$

$$\int \frac{1}{\sqrt{1-x^2}} \, dx = \operatorname{arcsin} x + C$$