F) Neodređeni integral (konstanta je integriranja C radi pojednostavljena ispuštena)

$$\int x^n \mathrm{d}x = \frac{x^{n+1}}{n+1}, \qquad n \in R \setminus \{-1\},$$

$$\int \frac{\mathrm{d}x}{x} = \ln x, \quad x \neq 1, \qquad x \in R \setminus \{1\},$$

$$\int \left(\sqrt{a+bx}\right)\mathrm{d}x = \frac{2}{3b}\sqrt{(a+bx)^3},$$

$$\int x\left(\sqrt{a+bx}\right)\mathrm{d}x = \frac{2}{15b^2}(3bx-2a)\sqrt{(a+bx)^3},$$

$$\int \frac{\mathrm{d}x}{\sqrt{a+bx}} = \frac{2\sqrt{a+bx}}{b}, \qquad x \in R \setminus \left\{-\frac{a}{b}\right\},$$

$$\int \frac{x\mathrm{d}x}{a+bx} = \frac{1}{b^2}\left[a+bx-a\ln(a+bx)\right], \qquad x \in R \setminus \left\{-\frac{a}{b}\right\},$$

$$\int \frac{\mathrm{d}x}{a+bx^2} = \frac{1}{\sqrt{ab}}\tan^{-1}\frac{x\sqrt{ab}}{a}, \qquad a \neq -bx^2,$$

$$\int \frac{x\mathrm{d}x}{a+bx^2} = \frac{1}{2b}\ln\left(a+bx^2\right), \qquad a \neq -bx^2,$$

$$\int \left(\sqrt{x^2 \pm a^2}\right)\mathrm{d}x = \frac{1}{2}\left[x\sqrt{x^2 \pm a^2} \pm a^2 \ln\left(x+\sqrt{x^2 \pm a^2}\right)\right],$$

$$\int x\left(\sqrt{x^2 \pm a^2}\right)\mathrm{d}x = \frac{1}{3}\sqrt{\left(x^2 \pm a^2\right)^3},$$

$$\int \left(\sqrt{a^2 - x^2}\right)\mathrm{d}x = \frac{1}{2}\left(x\sqrt{a^2-x^2} + a^2 \sin^{-1}\frac{x}{a}\right),$$

$$\int x\left(\sqrt{a^2 - x^2}\right)\mathrm{d}x = -\frac{1}{3}\sqrt{\left(a^2-x^2\right)},$$

$$\int \frac{\mathrm{d}x}{\sqrt{x^2 \pm a^2}} = \ln\left(x+\sqrt{x^2 \pm a^2}\right),$$

$$\int \frac{\mathrm{d}x}{\sqrt{a^2 - x^2}} = \sin^{-1}\frac{x}{a}, \qquad x \in R \setminus \{a\},$$

$$\int \frac{x\mathrm{d}x}{\sqrt{a^2 \pm x^2}} = \pm\sqrt{a^2 \pm x^2},$$

$$\int x\left(\sqrt{x^2 \pm a^2}\right)\mathrm{d}x = -\frac{1}{3}\sqrt{\left(x^2 \pm a^2\right)},$$

$$\int \sin x\mathrm{d}x = -\cos x,$$

$$\int \cos x\mathrm{d}x = \sin x,$$

$$\int \sin^2 x\mathrm{d}x = \frac{x}{2} - \frac{\sin 2x}{4},$$

$$\int \cos^2 x\mathrm{d}x = \frac{x}{2} + \frac{\sin 2x}{4},$$