

cvičení 8.3.2013

$$1) \int 2 + x^2 dx$$

$$\int \frac{1+x^2}{x\sqrt{x}} dx$$

$$\int \frac{1}{x} dx$$

$$\int |x| dx$$

$$\int |\sin x| dx$$

$$2) \int x \sin x dx$$

$$\int x \cos x dx$$

$$\int x^2 e^x dx$$

$$\int \log x dx$$

$$\int \arctg x dx, \int \operatorname{arccos} x dx$$

$$3) \int \sin x e^{\cos x} dx$$

$$\int \sin(3-2x) dx$$

$$\int x^2 e^{x^3} dx$$

$$\int \frac{x}{1+x^2} dx$$

$$\int \frac{x}{\sqrt{1-x^2}} dx$$