

תרגיל 1האינטגרל הלא מסויים

חשבו את האינטגרל הבאים :

$$\int \tan^5 x dx \quad \text{יג.}$$

$$\int \frac{\cos^2 x}{\sin^4 x} dx \quad \text{יד.}$$

$$\int \sin^2 x \cos^3 x dx \quad \text{טו.}$$

$$\int \frac{1}{\cos x} dx \quad \text{טז.}$$

$$\int \frac{2x+3}{x^2+x-2} dx \quad \text{א.}$$

$$\int \frac{1}{3x^2-2x-5} dx \quad \text{ב.}$$

$$\int \frac{\sqrt{\ln x}}{x} dx \quad \text{ג.}$$

$$\int \cos^3 x dx \quad \text{ד.}$$

$$\int \frac{e^x}{e^x+3} dx \quad \text{ה.}$$

$$\int \frac{e^{\arcsin x}}{\sqrt{1-x^2}} dx \quad \text{ו.}$$

$$\int x^3 \ln x dx \quad \text{ז.}$$

$$\int \frac{x}{\sqrt{x^2+5}} dx \quad \text{ח.}$$

$$\int \frac{\cos x}{1+\sin^2 x} dx \quad \text{ט.}$$

$$\int x^2 \ln \frac{1-x}{1+x} dx \quad \text{י.}$$

$$\int \frac{\ln(\sin x)}{\sin^2 x} dx \quad \text{יא.}$$

$$\int \frac{x^2}{\sqrt{x^2-25}} dx \quad \text{יב.}$$

$$\int \cos^6 x dx \quad \text{יג.}$$

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