



Desarrollar las siguientes Integrales

$$\int \frac{x \, dx}{\sqrt{1+x^2} + \sqrt{(1+x^2)^3}}$$

$$\int \frac{\sqrt{1+x^2} + x\sqrt{1-x^2}}{\sqrt{1-x^4}} \, dx$$

$$\int x(\operatorname{arctg} x)^2 \, dx$$

$$\int \frac{x-1}{\sqrt{4x^2-8x+3}} \, dx$$

$$\int (x^2 - 3x + 2)e^{2x} \, dx$$

$$\int \operatorname{sen} \sqrt{x} \, dx$$

$$\int \frac{\operatorname{sen} x \cos x}{\sqrt{a^2 \operatorname{sen}^2 x + b^2 \cos^2 x}} \, dx$$

$$\int \operatorname{arc} \tan(\sqrt{x}) \, dx$$

$$\int \sqrt{\frac{\ln(x + \sqrt{1+x^2})}{1+x^2}} \, dx$$

$$\int x \operatorname{sen}(3x-1) \, dx$$

$$\int \frac{x \cos x \, dx}{\operatorname{sen}^2 x}$$

$$\int \frac{\operatorname{arc} \tan \sqrt{x}}{\sqrt{x}(1+x)} \, dx$$

$$\int \operatorname{sen} x \ln(\operatorname{tg} x) \, dx$$

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

$$\int x \ln^2(x) \, dx$$

$$\int \operatorname{arcsin} x \, dx$$