Formulario de Cálculo Integral - Schodule ®



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$$\int dx = \chi + C$$

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$$\int a \, dx = a \int \, dx$$

$$\bullet \quad \int \chi^{-1} \, dx = \ln|x| + C$$

•
$$\int \frac{1 dx}{ax+b} = \frac{1}{a} ln|ax+b| + c$$

•
$$\int af(x) dx = a \int f(x) dx$$

•
$$\int f(x) + g(x) + \dots + h(x) dx = \int f(x) dx + \int g(x) dx + \dots + \int h(x) dx$$

$$\bullet \int a^x \, dx = \frac{a^x}{\ln|a|} + c$$

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

Trigonométricas

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$$\int \sin(x) dx = -\cos(x) + C$$

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$$\int cos(x) dx = sin(x) + C$$

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$$\int tan(x) dx = \ln|sec(x)| + c = -\ln|cos(x)| + c$$

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$$\int \cot(x) dx = \ln|\sin(x)| + C$$

•
$$\int sec(x) dx = ln|sec(x) + tan(x)| + c$$

•
$$\int \csc(x) dx = \ln|\csc(x) - \cot(x)| + C$$

•
$$\int sec(x) tan(x) dx = sec(x) dx + c$$

•
$$\int sec(x) dx = ln|sec(x) + tan(x)| + c$$

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$$\int csc(x) dx = ln|csc(x) - cot(x)| + c$$

•
$$\int sec(x) tan(x) dx = sec(x) dx + c$$

•
$$\int \csc(x) \cot(x) dx = -\csc(x) + c$$

•
$$\int \sec^z(x) dx = \tan(x) + c$$

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$$\int \csc^2(x) dx = -\cot(x) + C$$