

Oblicz całkę:	Program:	Odpowiedź:
$\int 5^3 \sqrt{x^7} dx$	integrate 5*x^(7/3)	$\frac{3}{2} \sqrt[3]{x^{10}} + C$
$\int \left( \frac{5}{\sqrt[7]{x}} - 2x^7 + \frac{3}{2\sqrt{x}} \right) dx$	integrate 5*x^(-1/7)-2*x^7+3/2*x^(-1/2)	$\frac{35\sqrt[7]{x^6}}{6} - \frac{x^8}{4} + 3\sqrt{x} + C$
$\int t^3 \sqrt{t} dt$	integrate t^(7/2)	$\frac{3}{9} \sqrt[3]{t^9} + C$
$\int \frac{1 - \sqrt[3]{x}}{\sqrt[3]{x}} dx$	integrate x^(-1/3)-1	$\frac{3\sqrt[3]{x^2}}{2} - x + C$
$\int 2^x \left( \frac{1}{4} \right)^x 4^x dx$	integrate (2)^x	$y' = \frac{2^x}{\ln 2} + C$
$\int 3e^{-2x} dx$	integrate 3*exp(-2*x)	podstawienie: $t = -2x$ $-\frac{3}{2}e^{-2x} + C$
$\int \ln(x) dx$	integrate log(x)	$x \ln x  - x + C$
$\int (5^x + 3^x) dx$	integrate 5^x+ 3^x	$\frac{5^x}{\ln 5} + \frac{3^x}{\ln 2} + C$
$\int (2 \cdot 7^x - 1) dx$	integrate 2*7^x-1	$2 \frac{7^x}{\ln 7} - x + C$
$\int (3^x - 3x^3 + 3x - 3^3) dx$	integrate 3^x-3*x^3+3*x-3^3	$\frac{3^x}{\ln 3} - \frac{3}{4}x^4 + \frac{3}{2}x^2 - 3^3x + C$
$\int \left( 2 \ln x + \frac{1}{x} - \frac{1}{x^2} \right) dx$	Integrate 2*log(x)+1/x-1/(x^2)	$2x \ln x  - 2x + \ln x  + \frac{1}{x} + C$
$\int \frac{6x - 1}{3x^2 - x + 2} dx$	integrate (6*x-1)/(3*x^2-x+2)	podstawienie: $t = 3x^2 - x + 2$ $\ln 3x^2 - x + 2  + C$
$\int 4x \ln(x^2) dx$	integrate 4*x*log(x^2)	podstawienie: $t = x^2$ $2x^2 \ln(x^2) - 2x^2 + C$
$\int x e^{x^2} dx$	integrate x*exp(x^2)	podstawienie: $t = x^2$ $\frac{1}{2} e^{x^2} + C$
$\int \frac{x - 3}{x^2 - 6x + 5} dx$	integrate (x-3)/(x^2-6*x+5)	podstawienie: $t = x^2 - 6x + 5$ $\frac{1}{2} \ln x^2 - 6x + 5  + C$
$\int \frac{dx}{ax + b}, \quad a \neq 0$	integrate 1/(a*x+b)	podstawienie: $t = ax + b$ $\frac{\ln ax + b }{a} + C$
$\int \ln(x + 3) dx$	integrate log(x+3)	podstawienie: $t = x + 3$ $(x + 3) \ln x + 3  - x - 3 + C$
$\int (3t + 1)^7 dt$	integrate (3*t+1)^7	podstawienie: $t = 3t + 1$ $\frac{1}{24} (3t + 1)^8 + C$
$\int \frac{3x^2 dx}{\sqrt[3]{(2 - x^3)^4}}$	integrate 3*x^2/((2-x^3)^(4/3))	podstawienie: $t = 2 - x^3$ $\frac{3}{\sqrt[3]{2 - x^3}} + C$