

ОБРАЗЕЦ

1. $\int x^2(2+4x^3)^4 dx$
2. $\int \frac{dx}{e^x + e^{-x}}$
3. $\int (x^2 + 3x) \cos 2x dx$
4. $\int 3^{2x} \cos^2 5x dx$
5. $\int \frac{(x^4 + 10x^3 + 44x^2 + 75x + 76) dx}{x^2 + 8x + 25}$
6. $\int \frac{(x^2 + 1) dx}{(x+1)(x^2 - x - 2)}$
7. $\int \frac{x dx}{\sqrt{12 + 4x - x^2}}$
8. $\int \frac{1 - \sqrt{x-1}}{1 + \sqrt[3]{x-1}} dx$
9. $\int \frac{dx}{x^2 \cdot \sqrt{9 + x^2}}$
10. $\int \sin 4x \cdot \sin 2x dx$
11. $\int (\sin^3 x + \operatorname{tg}^4 x) \cos^4 x dx$
12. $\int \frac{dx}{(2 + \cos x) \cdot \sin x}$