Całki nieoznaczone.

Obliczyć całki nieoznaczone.

1. $\int e^{\sqrt{x}} dx$
2. $\int \frac{dx}{e^x + e^{-x}}$
3. $\int \frac{dx}{\sqrt{x(x+1)}}$
4. $\int \frac{x^5 + x^4 - 8}{x^3 - 4x} dx$
5. $\int \frac{x dx}{x^4 + 3x^3 - 15x^2 - 19x + 30} dx$
6. $\int \frac{dx}{x^3 - 8}$
7. $\int \frac{x^4 + 1}{(x^2 + 2x + 3)^3} dx$
8. $\int \frac{dx}{x^4 + x^2 + 1} dx$
9. $\int \frac{4x^5 + x^3 - 2}{x^3 + 4x^2 - 5x} dx$
10. $\int \frac{x - 2}{4x^2 + 3x - 7} dx$
11. $\int \frac{dx}{\sqrt{4x^2 + x + 8}}$
12. $\int \frac{2x + 5}{\sqrt{1 - x^2 - 2x}} dx$
13. $\int \frac{x^3 - 4x}{\sqrt{2x^2 + 6x - 8}} dx$
14. $\int (3 - 2x)\sqrt{6 - 4x^2 - 4x}\, dx$
15. $\int \sqrt{x^2 - x + 6}\, dx$

16. $\int \dfrac{dx}{x^3\sqrt{1-x^2+4x}}$

17. $\int \dfrac{x-4}{(x-2)^2\sqrt{x^2+3x+2}}dx$

17.* $\int \dfrac{dx}{x-\sqrt{x^2-x+1}}$

18.* $\int \dfrac{xdx}{\sqrt{1+\sqrt[3]{x^2}}}$

19. $\int \sin^3 x \cos^6 x dx$

20. $\int \sin^4 x \cos^6 x dx$

21. $\int \sin 3x \sin 7x dx$

22. $\int \dfrac{dx}{\sin x \cos 2x}dx$

23. $\int \dfrac{\sin^4 x}{\cos^2 x}dx$

24. $\int \mathrm{tg}^5 x dx$

25. $\int \dfrac{dx}{\sin^2 x + \mathrm{tg}^2 x}$

26. $\int \dfrac{dx}{\sin^5 x \cos^5 x}$

27. $\int \dfrac{dx}{5-4\sin x+3\cos x}$

28. $\int \dfrac{dx}{\sin^5 x}$

29. $\int \dfrac{\cos x}{\sin^3 x - \cos^3 x}$

30. $\int \dfrac{\sin x \cos x dx}{\sin^4 x + \cos^4 x}$.