

Вариант 15

1. $\int \frac{dx}{\sqrt{x} - \sqrt[3]{x}}$

2. $\int \frac{2x + 3}{\sqrt{2x^2 + 8x + 6}} dx$

3. $\int e^{-3x+1/2} dx$

4. $\int \operatorname{arctg} 3x dx$

5. $\int \frac{dx}{\sqrt{\cos x \cdot \sin^3 x}}$

6. $\int \cos^3 2x dx$

7. $\int \frac{x + 1}{x^4 + x^2} dx$

8. $\int \frac{x^3}{\sqrt{9 - x^2}} dx$