

Вариант № 0

$$1. \int \frac{4\sqrt[3]{x} - \ln \sqrt{x}}{x} dx$$

$$2. \int (3 - 5x) \cos \frac{x}{4} dx$$

$$3. \int \frac{x - 2}{\sqrt{x^2 - 5x - 1}} dx$$

$$4. \int \frac{5x + 6}{x^3 + 2x^2 - 4x - 8} dx$$

$$5. \int \frac{\sqrt[4]{3x + 2}}{\sqrt[3]{3x + 2} + \sqrt{3x + 2}} dx$$

$$6. \int \frac{\sin^4 x}{\cos x} dx$$

$$7. \int \frac{dx}{\left(\cos \frac{x}{2} - \sin \frac{x}{2}\right)^2}$$