## Неопрезеленный интеграл

$$1. \int \frac{dx}{x+s} = \ln|x+5| + C$$

2. 
$$\int \frac{dx}{3x-5} = \frac{1}{3} \int \frac{dx}{x-\frac{5}{3}} = \frac{1}{3} \left( \frac{1}{3} \left( \frac{1}{3} \right) + \frac{5}{3} \right) + C$$

3. 
$$\int \frac{dx}{3x^2+5} = \int_3 \cdot \int \frac{dx}{x^2+\sqrt{\xi_3}^2} = \int_3 \cdot \int \frac{dx}{3x^2+\sqrt{\xi_3}^2} = \int_3 \cdot \int_3$$

$$\int \frac{dx}{g^2 + x^2} = \int_{\alpha} arc + \beta = C$$

$$4. \int \frac{dx}{3x^2-5} = \frac{1}{3} \int \frac{dx}{x^2-5\sqrt{3}} \ \textcircled{2}$$

$$\int \frac{dx}{x^2 - q^2} = \int_{2q} \cdot \ln \left| \frac{x - q}{x + q} \right| + C$$

$$\exists \frac{1}{3} \cdot \frac{1}{2 \cdot \sqrt{5_3}} \cdot c_n \left| \frac{x - \sqrt{5_3}}{x + \sqrt{5_3}} \right| + C$$

$$5. \int \frac{x \, dx}{3x+5} = \int \frac{3x+5-5 \, dx}{3(3x+5)} = \int \frac{3x+5}{3(3x+5)} - \frac{5}{3(3x+5)} \, dx = \int_{3}^{2} - \frac{5}{3(3x+5)} \, dx = \int_{3}^{2} - \frac{5}{3} \cdot \int \frac{1}{3x+5} \, dx = \int_{3}^{2} - \frac{5}{3(3x+5)} \,$$

6. 
$$\int \frac{x^2 dx}{3x+5} = \int \frac{g_{x^2} - 25+25}{g(3x+5)} dx = \frac{g}{g} \int \frac{(3x-5)(3x+5)+25}{(3x+5)} dx = \frac{g}{g} \int \frac{(3x-5)+25}{(3x+5)} dx = \frac{g}{g} \int \frac{(3x-5)+25}{(3x+5)} dx = \frac{g}{g} \int \frac{(3x-5)(3x+5)+25}{(3x+5)} dx = \frac{g}{g} \int \frac{(3x+5)(3x+5)+25}{(3x+5)} dx = \frac{g}{g} \int \frac{(3x+5)(3x+5)}{(3x+5)} dx =$$

7. 
$$\int \sqrt{3x+5} \, dx = \frac{1}{3} \int \sqrt{3x+5} \, d(3x+5) = \frac{1}{3} \frac{(3x+5)^{\frac{3}{4}}}{\frac{3}{2}} + C$$

$$8. \int \frac{dx}{\sqrt{3x^2+5}} =$$

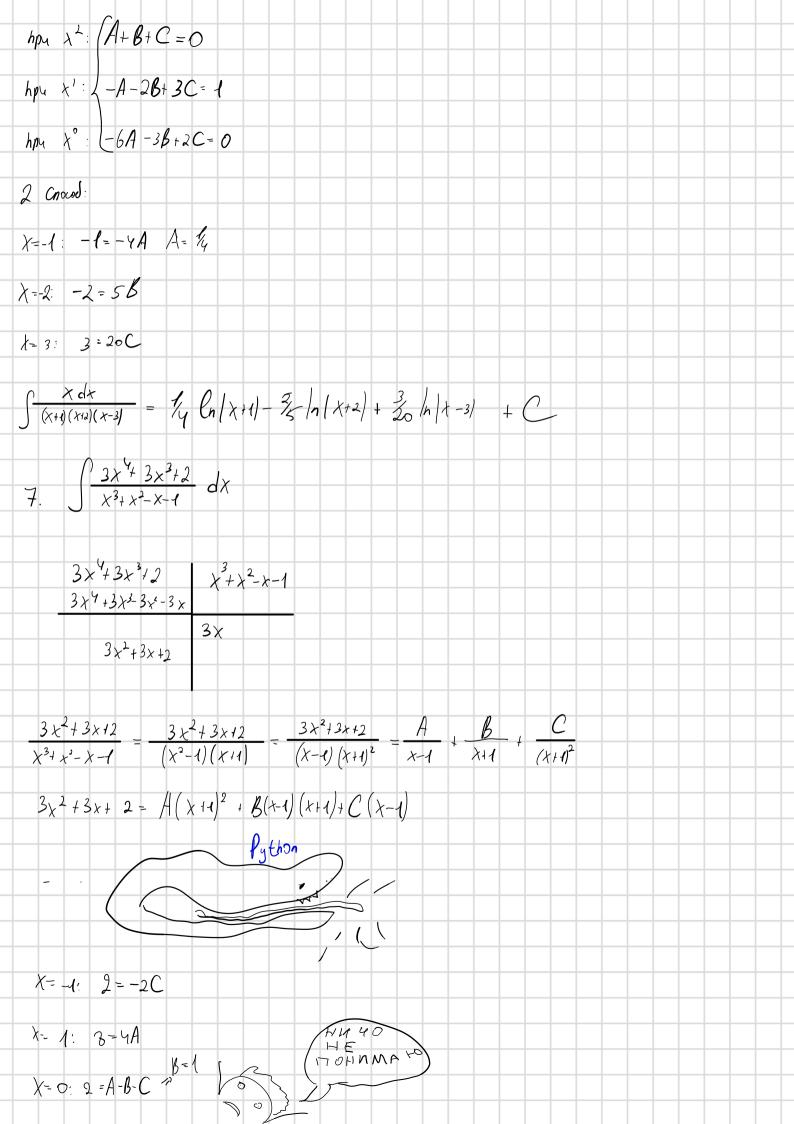
$$\int \frac{dx}{\sqrt{x^2 \pm a^2}} = \frac{2}{h} \left| x + \sqrt{x^2 \pm a^2} \right| + C$$

9. 
$$\int \frac{x \, dx}{\sqrt{3x^2+5}} = \int \frac{d(3x^2+5)}{5 \cdot 3x^2+5} = \int \frac{d(3x^2+5)}{\sqrt{3x^2+5}} = \int \frac{d(3x^2+5)}{\sqrt{3x^2+5}} = \int \frac{dx}{\sqrt{3x^2+5}} =$$

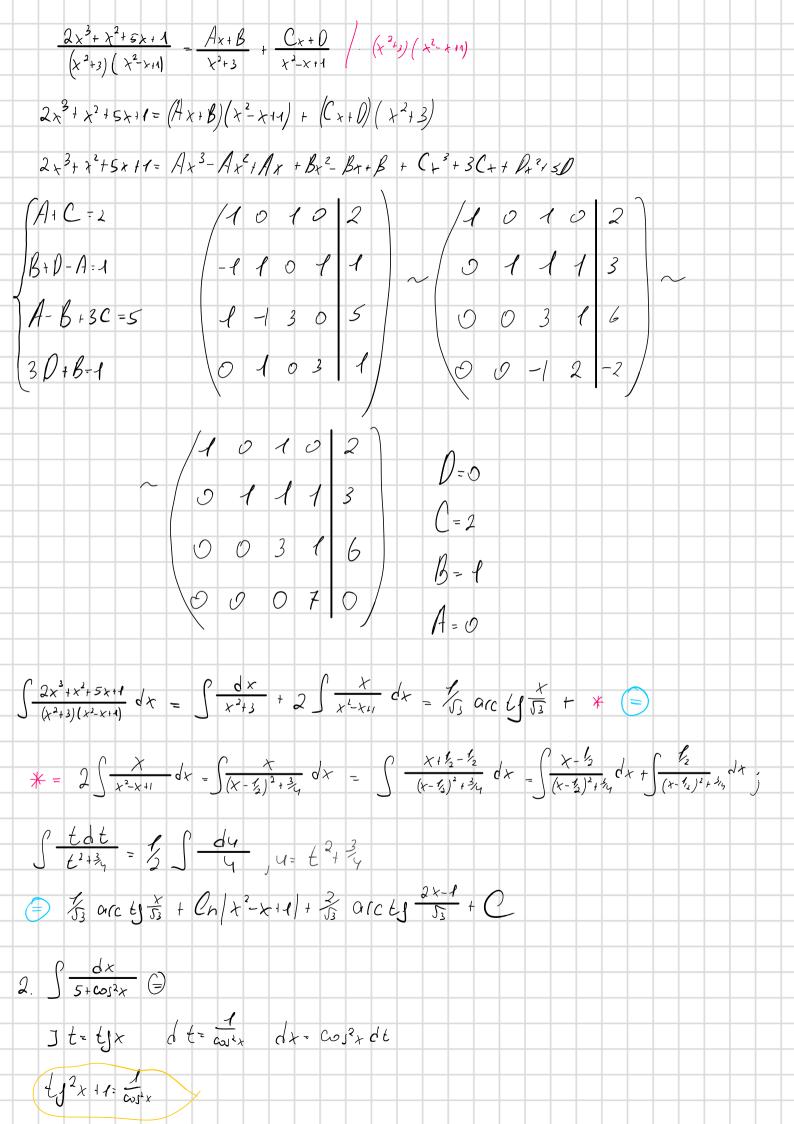
$$\int_{\mathcal{X}} \cos s(2x) \, dx - x - \frac{\sin(2x)}{3} - \int_{-1}^{2} \frac{\sin(2x)}{2} \, dx = x - \frac{\sin(2x)}{2} \cdot \frac{x}{2} \frac{\cos(2x)}{2} \cdot C$$

$$i \cdot \int_{-1}^{2} \int_{-1}^{2} \frac{\sin^{2}x}{2} \, dx = 0$$

$$4 \cdot 3x \cdot 2 - \frac{1}{3} \frac{\sin^{2}x}{2} \, dx = \frac{1}{3} \frac{\sin^{2}x}{2} + \frac{1}{3} \frac{\cos^{2}x}{2} + \frac{1}{3} \frac{\cos^{2}x}{2}$$



$$\begin{array}{lll}
& \int \left(3x + \frac{2}{\lambda + 1} + \frac{1}{\lambda + 1} - \frac{1}{\alpha + 1} + \beta x + \frac{2}{\lambda} + \frac{1}{\lambda} + \beta x + \frac{1}{\lambda + 1} + \frac{1}{\lambda} x + \frac{1}{\lambda} + \frac{1}{$$



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