

$$\int (6 \times ^{2} - 8 \times + 3) dx = 6. \int x^{2} dx - 8. \int x dx + 3. \int x dx = 6. \frac{x^{3}}{3} - 8. \frac{x^{2}}{2} + 3. \times + C = 1.3 + 2.0 \times 6.$$

$$\int (\chi) = \frac{\chi^2}{\chi^2 + \lambda} = \frac{\chi^2 + \lambda - \lambda}{\chi^2 + \lambda} = 1 - \frac{\lambda}{\chi^2 + \lambda}$$

$$\int l - \frac{1}{x^2 + 1} dx = x - \operatorname{arctg}(x) + C$$

$$\int x^{\frac{3}{8}} = \frac{x^{1/8}}{x^{5/8}} + C$$

$$\int \frac{1}{2} \frac{\cos^2 x - 5}{\cot^2 x} = \frac{\cos^2 x - 5}{\left(8iu^2x + \cos^2 x\right) + \left(\cos^2 x - 8iu^2x\right)} = \frac{\cos^2 x - 5}{2\cos^2 x}$$

$$\int \frac{1}{2} \frac{5}{2} \cdot \frac{1}{\cos^2 x} dx = \frac{1}{2} \cdot x \cdot \frac{5}{2} \cdot \frac{1}{2} \cdot \frac{$$

$$\int \frac{dx}{x^2 + 3} dx = \int \frac{(x^2 + 3)^2}{x^2 + 3} = \ln(x^2 + 3) + C$$

$$\int \frac{dx}{x^2 + 3} = \int \frac{(x^2 + 3)^2}{x^2 + 3} = \ln(x^2 + 3) + C$$

$$\int \frac{dx}{x \cdot \ln x} = \int \frac{dx}{x \cdot \ln x} dx = \int \frac{(\ln x)^2}{\ln x} dx = \ln(\ln x) + C$$

$$\int Siu^3 x \cdot \cos^4 x \cdot dx = \int Siu x \cdot Siu^3 x \cdot \cos^4 x \cdot dx = \int Siu x \cdot (1 - \cos^2 x) \cdot \cos^4 x \cdot dx =$$

$$\int \cos^4 x - \cos^4 x \cdot \sin x \cdot dx = \int \cos^4 x \cdot (\cos x)^4 - \cos^4 x \cdot (\cos x)^4 - \cos^4 x \cdot (\cos x)^4 \cdot dx =$$

$$\frac{\cos^5 x}{5} - \frac{\cos^7 x}{5} + C$$

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