

$$\int 3\sqrt[3]{x^5} dx \quad C = \text{constant}$$

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

$$= \frac{9}{5}x^{\frac{8}{3}} + C$$

$\Sigma x.$

$$f(x) = \left. \begin{array}{l} x^2 + 1 \\ x^2 + \pi \\ x^2 - 2\sqrt{3} \\ x^2 + 7.23 \\ x^2 + e\pi \end{array} \right\} 2x$$

$$\int t^2(3+t)^2 dt$$

$$\int t^2(9+6t+t^2) dt$$

$$\int (9t^2+6t^3+t^4) dt$$

$$= \frac{9t^3}{3} + \frac{6t^4}{4} + \frac{t^5}{5} + C$$

$$= 3t^3 + \frac{3}{2}t^4 + \frac{1}{5}t^5 + C$$

$$\int \cos x dx = \sin x + C$$

$$\int \frac{1}{3} \cos x dx = \frac{1}{3} \sin x + C$$

book p. 249:
15-47 odd,