Integration by Substitution: $\int \sin^2 x \cos x \, dx \, \int \cos^3 x \, dx \, \int \frac{1}{t \cdot h \cdot t} \, dt,$ $\int (x^2+1)x \, dx \, \int \int 2x e^{x^2} \, dx \, \int \int 3x^2 \sqrt{x^3+1} \, dx \, \int \int \frac{2x}{x^2+1} \, \int \int \frac{2-x}{\sqrt{2x^2-8x+1}} \, dx,$ $\int \frac{e^{\frac{3x}{x}}}{x^2} \, dx \, \int \int (2x-1)^7 \, dx \, \int \int \frac{1}{\sqrt{2x+1}} \, dx \, \int \frac{8x}{e^{x^2}} \, dx$ $\int \frac{(1+\ln x)^3}{x} \, \int \frac{1}{x \ln x^2} \, dx \, \int \int \frac{x^2-2x}{x^3-3x^2+1} \, \int \frac{e^{-x}}{1-e^{-x}} \, dx \, \int \frac{dx}{1+e^x} \, dx$ $\int \frac{e^{2x}-1}{e^{2x}+1} \, \int tanxsel^2 x \, dx \, \int \int \frac{\sin x + \cos x}{\sin x - \cos x} \, dx$ $\int u \, dv = \int \left[d(uv) - v \, du \right] = uv - \int v \, du$ $\int u \, dv = \int \left[d(uv) - v \, du \right] = uv - \int v \, du$ $\int x \, e^x \, dx \, \int \ln x \, dx \, \int \frac{\ln (\ln x)}{x} \, dx$ $\int x \, e^x \, dx \, \int \ln x \, dx \, \int \frac{\ln (\ln x)}{x} \, dx$ $\int \frac{dt}{(t+A)(t+R)}$