

Integration by parts

Evaluate $\int 4x \cos(2 - 3x) dx$

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

Evaluate $\int t^7 \sin(2t^4) dt$

Integration by Substitution

Evaluate $\int t^7 \sin(2t^4) dt$

Evaluate $\int 5(z-4) \sqrt[3]{z^2-8z} dz.$

Evaluate $\int 90x^2 \sin(2+6x^3) dx.$

Evaluate $\int (\cos(3t) - t^2) (\sin(3t) - t^3)^5 dt.$

Partial fraction

Evaluate the integral $\int \frac{4}{x^2 + 5x - 14} dx$.

Evaluate the integral $\int \frac{8}{3x^3 + 7x^2 + 4x} dx$.

Evaluate the integral $\int \frac{4x - 11}{x^3 - 9x^2} dx$