Calcolare i seguenti integrali indefiniti:

$\int (x^3 + \cos x)\,dx;$ $\int \sqrt{x^5}\,dx;$ $\int (8x^3 + 3x - 1)\,dx;$ $\int \sin^3 x \cos x\,dx;$

$\int \left(6x^2 + \cos(x)\right)\,dx;$ $\int \frac{3}{x^4}\,dx;$ $\int x^{\frac{2}{3}}\,dx;$ $\int \frac{x^3 + 2x^2 + 1}{x^2}\,dx;$

$\int \frac{2s}{s^2 + 1}\,ds;$ $\int xe^{x^2}\,dx;$ $\int (\sin(x) + e^x)\,dx;$ $\int (\tan(x) + 4x)\,dx;$

$\int \left(\frac{1}{t^3} - \frac{1}{t^4}\right)\,dt;$ $\int \frac{x^3}{\sqrt{1 - x^4}}\,dx;$ $\int (x^3 + x^2 + 1)^4(3x^2 + 2x)\,dx;$

$\int \frac{x^3 + 3x^2}{x^4 + 4x^3}\,dx;$ $\int x^2(x^3 + 2)^4\,dx;$ $\int \frac{3x + 2}{4x + 5}\,dx;$ $\int \frac{5x^4 - 2x^3 + 1}{x}\,dx;$

$\int \frac{4x^3 - 3x + 2}{x - 1}\,dx;$ $\int \frac{2x}{x^2 + 1}\,dx;$ $\int \frac{1}{1 + x^2}\,dx;$ $\int \frac{1}{1 + 4x^2}\,dx;$

$\int \frac{1}{3 + x^2}\,dx;$ $\int \frac{1}{\sqrt{1 - 3x^2}}\,dx;$ $\int \sqrt{x}\,dx;$ $\int \left(\tan(x) + \tan^2(x)\right)\,dx;$

$\int \sqrt{1 - x}\,dx;$ $\int \left(\sqrt{u} - \frac{1}{\sqrt{u}}\right)\,du;$ $\int e^x(x + 1)\,dx;$ $\int \frac{2t + 3}{t^2 + 9}\,dt;$

$\int \frac{1}{2x^2 + 3}\,dx;$ $\int x \sin(4x^2)\,dx;$ $\int \frac{x}{3x^2 + 1}\,dx;$