



Calcule :

$$(1) \int (9 + 2x)^2 dx$$

$$(2) \int \cos(3x + 4) dx$$

$$(3) \int e^{3x-2} dx$$

$$(4) \int \cos(1 - x) dx$$

$$(5) \int \frac{1}{7x+5} dx$$

$$(6) \int \frac{1}{\sqrt{2-5x}} dx$$

$$(7) \int \frac{\cos \sqrt{x}}{\sqrt{x}} dx$$

$$(8) \int \frac{e^x}{2+e^x} dx$$

$$(9) \int \frac{x}{x^2-1} dx$$

$$(10) \int \frac{1+\cos x}{x+\sin x} dx$$

$$(11) \int \frac{x^2}{\sqrt{1+x^3}} dx$$

$$(12) \int \frac{1}{x^2} \left(1 + \frac{1}{x}\right)^4 dx$$

$$(13) \int (2-x) \sqrt{x^2-4x} dx$$

$$(14) \int \sin x \cdot \cos^5 x dx$$

$$(15) \int \sqrt{-2x+8} dx$$

$$(16) \int \frac{\tan^3 x}{\cos^2 x} dx$$

$$(17) \int \sqrt[4]{(2+3x)^5} dx$$

$$(18) \int \frac{(1 + \sqrt{x})^6}{\sqrt{x}} dx$$

$$(19) \int \frac{x^2 + 2x}{\sqrt[3]{x^3 + 3x^2 + 1}} dx$$

$$(20) \int (8x - 2) \sqrt{3 - x + 2x^2} dx$$