

FORMULE DE CALCUL A PRIMITIVELOR

Calculati:

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

$$2) \int \left(\sqrt{x} + 2^x + \sqrt[4]{x} \right) dx$$

$$3) \int \left(\frac{2}{\sqrt{x}} - \frac{1}{\sqrt{9-x^2}} \right) dx$$

$$4) \int \left(\frac{x}{\sqrt{4-x^2}} + \frac{1}{\sqrt{x^2+9}} \right) dx$$

$$5) \int \left(\frac{2}{\sin^2 x} - \frac{5}{\cos^2 x} - \frac{1}{x} \right) dx$$

$$6) \int \left(\frac{5}{x^3} - \operatorname{ctg} x + \frac{1}{x^2+4} \right) dx$$

$$7) \int \left(\frac{5}{\sqrt{x^2-4}} + 3 \operatorname{tg} x + \frac{5}{\sin^2 x} \right) dx$$

$$8) \int \left(2 \operatorname{tg} x + \frac{5}{x^2-4} - \frac{4}{\cos^2 x} \right) dx$$

$$9) \int \left(3 \cos x + \frac{1}{2^x} + \frac{5}{x} \right) dx$$

$$10) \int \left(\frac{5}{x^3} - \frac{1}{\sqrt{x^2+16}} + \frac{x}{\sqrt{x^2-9}} \right) dx$$