

Indefinite Integrals Exercise

Evaluate the indefinite integrals. (Check your results by differentiation!)

1) $\int (x^3 + 4) dx$

2) $\int \sqrt{x^3} dx$

3) $\int \frac{1}{6x^2} dx$

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

5) $\int dx$

6) $\int t^2 (t^3 + 1)^4 dt$

7) $\int \frac{2x}{\sqrt{x^2 - 3}} dx$

8) $\int 8(3 + 4x^2)^2 dx$

9) $\int \cos 2t dt$