



603M

Integral por partes

11. $\int x^3 e^{3x} dx$
12. $\int x^2 e^x dx$
13. $\int x \ln 2x dx$
14. $\int \cos(2x) \sin(2x) dx$
15. $\int 5x e^{2x} dx$
16. $\int 2x^2 e^x dx$
17. $\int \sin(3x) \cos(3x) dx$
18. $\int \cos 2x \sin x dx$
19. $\int 3x e^{4x} dx$
20. $\int 2x^2 \ln x dx$

Integrales por factores lineales no repetidos

11. $\int \frac{3x+2}{x^3-x^2-6x} dx$
12. $\int \frac{7}{(x-3)^3} dx$
13. $\int \frac{x-2}{x^3+x^2-2x} dx$
14. $\int \frac{4x^3+2x}{(x^4+x^2)^3} dx$
15. $\int \frac{2x-3}{x^3-13x^2+40x} dx$
16. $\int \frac{dx}{(x+2)^5}$
17. $\int \frac{8x^3+6x}{(2x^4+3x^2)^4} dx$
18. $\int \frac{4x-2}{x^3-x^2-6x} dx$
19. $\int \frac{2x+4}{x^3-13x^2+40x} dx$
20. $\int \frac{3x-2}{x^3+x^2-2x} dx$