



601M

Integral por partes

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

Integrales por factores lineales no repetidos

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