



603M

Integrales Algebraicas

11. $\int \sqrt{6x} \, dx$
12. $\int 6\sqrt{6x} \, dx$
13. $\int \sqrt{5x^2} \, x dx$
14. $\int 10\sqrt{5x^2} \, x dx$
15. $\int (6x^2 + 8x^3 + 5x^4)(3x^3 - 9x^4) \, dx$
16. $\int (3x^4 + 5x^3 + 6x^2 - 2x)(4x^2 - 5x) \, dx$
17. $\int (x^4 + x^3 + x^2 - x)(6x^2 - 11x) \, dx$
18. $\int (5x^2 + 14x^2)^2 \, dx$
19. $\int (3x^2 - 4x^2)^2 \, dx$
20. $\int (x^5 + 36)^2 \, dx$

Integrales Trigonométricas

31. $\int (\operatorname{cosec} 2x \cotan 2x) \, dx$
32. $\int 2(\operatorname{cosec} x^2 \cotan x^2) \, x dx$
33. $\int (\operatorname{cosec} x^2 \cotan x^2) \, x dx$
34. $\int \sec^2 5x^3 x^2 \, dx$
35. $\int 15 \sec^2 5x^3 x^2 \, dx$
36. $\int (\sec 5x^3 \tan 5x^3) x^2 \, dx$
37. $\int 15(\sec 5x^3 \tan 5x^3) x^2 \, dx$
38. $\int \cos^2 4x^2 \, x dx$
39. $\int 8\cos^2 4x^2 \, x dx$
40. $\int \cos^2 2x^2 \, x dx$

Integrales Exponenciales

51. $\int 4^{3x} \, dx$
52. $\int 7^{5x} \, dx$
53. $\int 4^{3x} 3 \, dx$
54. $\int 7^{5x} 5 \, dx$
55. $\int e^{3x} \, dx$
56. $\int 3e^{3x} \, dx$
57. $\int e^{6x} 6 \, dx$
58. $\int e^{6x} \, dx$
59. $\int (e^{3x} + e^{6x} 6) \, dx$
60. $\int (e^{3x} + e^{6x}) \, dx$