



601M

Integrales Algebraicas

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

Integrales Trigonométricas

31. $\int (\operatorname{cosec} x \cotan x) dx$
32. $\int 6(\operatorname{cosec} 3x^2 \cotan 3x^2) x dx$
33. $\int (\operatorname{cosec} 3x^2 \cotan 3x^2) x dx$
34. $\int \sec^2 4x^3 x^2 dx$
35. $\int 12 \sec^2 4x^3 x^2 dx$
36. $\int (\sec 2x^3 \tan 2x^3) x^2 dx$
37. $\int 6(\sec 2x^3 \tan 2x^3) x^2 dx$
38. $\int \cos^2 7x^2 x dx$
39. $\int 14\cos^2 7x^2 x dx$
40. $\int 7 \cos^2 7x^2 x dx$

Integrales Exponenciales

51. $\int 7^{3x} dx$
52. $\int 3^{5x} dx$
53. $\int 5^{3x} 3 dx$
54. $\int 8^{5x} 5 dx$
55. $\int e^{6x} dx$
56. $\int 6 dx$
57. $\int e^{8x} 6 dx$
58. $\int e^{4x} dx$
59. $\int (e^{2x} + 9e^{9x}) dx$
60. $\int (2e^{2x} + 3e^{3x}) dx$