



601V

Integrales Algebraicas

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

Integrales Trigonométricas

31. $\int (\operatorname{cosec} 9x \cotan 9x) dx$
32. $\int 18(\operatorname{cosec} 9x^2 \cotan 9x^2) x dx$
33. $\int (\operatorname{cosec} 2x^2 \cotan 2x^2) x dx$
34. $\int \sec^2 3x^3 x^2 dx$
35. $\int 9 \sec^2 3x^3 x^2 dx$
36. $\int (\sec 2x^3 \tan 2x^3) x^2 dx$
37. $\int 6(\sec 2x^3 \tan 2x^3) x^2 dx$
38. $\int \cos^2 3x^2 x dx$
39. $\int 6\cos^2 3x^2 x dx$
40. $\int \cos^2 3x^2 x dx$

Integrales Exponenciales

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