



1.- Integrales del tipo $\int \frac{Ax + B}{ax^2 + bx + c} dx$.

1. $\int \frac{1}{x^2 + 2x + 10} dx$

2. $\int \frac{1}{x^2 + 2x + 3} dx$

3. $\int \frac{1}{2 - 2y - y^2} dy$

4. $\int \frac{1}{x^2 - 4x + 5} dx$

5. $\int \frac{1}{2 + 2x - x^2} dx$

6. $\int \frac{1}{t^2 - 2t - 3} dt$

7. $\int \frac{1}{x^2 + 2x + 5} dx$

8. $\int \frac{1}{x^2 + 3x + 1} dx$

9. $\int \frac{1}{x^2 - 6x + 5} dx$

10. $\int \frac{1}{2x^2 - 2x + 1} dx$

11. $\int \frac{1}{3x^2 - 2x + 2} dx$

12. $\int \frac{1}{3x^2 + 4x + 1} dx$

13. $\int \frac{1}{2w^2 + 2w + 1} dw$

14. $\int \frac{1}{3x^2 - 2x + 4} dx$

15. $\int \frac{4}{5x^2 + 15x + 1} dx$

16. $\int \frac{\sqrt{3}}{2x^2 - 12x - 2} dx$

17. $\int \frac{3}{\sqrt{2}x^2 + 3\sqrt{2}x - 3\sqrt{2}} dx$

18. $\int \frac{x + 8}{x^2 + 4} dx$

19. $\int \frac{x - 4}{x^2 - 4} dx$

20. $\int \frac{x - 1}{x^2 + 9} dx$

21. $\int \frac{x - 5}{x^2 - 25} dx$

22. $\int \frac{x - 2}{x^2 - 3} dx$

23. $\int \frac{x - 1}{4 - x^2} dx$

24. $\int \frac{x - 2}{9 - x^2} dx$

25. $\int \frac{4x + 3}{x^2 + 1} dx$

26. $\int \frac{3x - 4}{x^2 - 1} dx$

27. $\int \frac{5x + 7}{x^2 - 9} dx$

28. $\int \frac{3x - 1}{x^2 + 9} dx$

29. $\int \frac{3x - 5}{x^2 + 4x} dx$

30. $\int \frac{6x - 3}{x^2 - 4x} dx$

31. $\int \frac{3x + 5}{x(2x - 1)} dx$

32. $\int \frac{x + 3}{6x - x^2} dx$

33. $\int \frac{1 - 2x}{1 + x^2} dx$

34. $\int \frac{3 - x}{4 - 3x^2} dx$

35. $\int \frac{3\sqrt{2}x - \sqrt{8}}{x^2 - 6x} dx$

36. $\int \frac{x + 2}{x^2 - 6x + 5} dx$

37. $\int \frac{8 - 3x}{x^2 + x + 1} dx$

38. $\int \frac{2x + 5}{x^2 + 2x + 5} dx$

39. $\int \frac{2x + 7}{2x^2 + 2x + 1} dx$

40. $\int \frac{3x + 8}{9x^2 - 3x - 1} dx$

41. $\int \frac{3x - 2}{1 - 6x - 9x^2} dx$

42. $\int \frac{1 - x}{4x^2 - 4x - 3} dx$

43. $\int \frac{3x - 2}{5x^2 - 3x + 2} dx$

44. $\int \frac{7x + 1}{6x^2 + x - 1} dx$

45. $\int \frac{2x - 1}{5x^2 - x + 2} dx$



2.- Integrales del tipo $\int \frac{Ax + B}{\sqrt{ax^2 + bx + c}}$.

1. $\int \frac{1}{\sqrt{1 + x + x^2}} dx$

2. $\int \frac{5}{\sqrt{x^2 + 2x + 5}} dx$

3. $\int \frac{1}{\sqrt{x^2 + 4x + 3}} dx$

4. $\int \frac{4}{\sqrt{x^2 - 4x + 13}} dx$

5. $\int \frac{1}{\sqrt{v^2 - 8v + 15}} dv$

6. $\int \frac{1}{\sqrt{2 - 3x - 4x^2}} dx$

7. $\int \frac{1}{\sqrt{5 - 7x - 3x^2}} dx$

8. $\int \frac{1}{\sqrt{2 - 3x - x^2}} dx$

9. $\int \frac{1}{\sqrt{5x^2 - x - 1}} dx$

10. $\int \frac{3}{\sqrt{5 - 4u - u^2}} du$

11. $\int \frac{1}{\sqrt{3 - 2z - z^2}} dz$

12. $\int \frac{1}{\sqrt{1 - t - 2t^2}} dt$

13. $\int \frac{1}{\sqrt{9x^2 + 12x + 8}} dx$

14. $\int \frac{1}{\sqrt{4x^2 - 12x + 7}} dx$

15. $\int \frac{1}{\sqrt{2ax + x^2}} dx$

16. $\int \frac{1}{\sqrt{x^2 + 2x}} dx$

17. $\int \frac{1}{\sqrt{3t - 2t^2}} dt$

18. $\int \frac{1}{\sqrt{x(3x + 5)}} dx$

19. $\int \frac{2ax + b}{\sqrt{ax^2 + bx + c}} dx$

20. $\int \frac{5t - 1}{\sqrt{3t^2 - 9}} dx$

21. $\int \frac{x + 3}{\sqrt{x^2 + 4}} dx$

22. $\int \frac{3s - 2}{\sqrt{9 - s^2}} ds$

23. $\int \frac{x + 3}{\sqrt{x^2 + 2x}} dx$

24. $\int \frac{x + 2}{\sqrt{4x - x^2}} dx$

25. $\int \frac{2x + 3}{\sqrt{2 - 3x^2}} dx$

26. $\int \frac{4x - 1}{\sqrt{3 + 5x^2}} dx$

27. $\int \frac{4x + 5}{\sqrt{3x - x^2}} dx$

28. $\int \frac{x + 3}{\sqrt{4x^2 + 4x + 3}} dx$

29. $\int \frac{x - 3}{\sqrt{3 + 4x - 4x^2}} dx$

30. $\int \frac{x - 3}{\sqrt{3 + 66x - 11x^2}} dx$

31. $\int \frac{x}{\sqrt{27 + 6x - x^2}} dx$

32. $\int \frac{x}{\sqrt{2x^2 - 4x + 1}} dx$

33. $\int \frac{3x}{\sqrt{x^2 - 3x - 4}} dx$

34. $\int \frac{2x}{\sqrt{x^2 + 2x - 3}} dx$

35. $\int \frac{x}{\sqrt{x^2 - 6x + 1}} dx$

36. $\int \frac{3x + 2}{\sqrt{19 - 5x + x^2}} dx$

37. $\int \frac{3x - 2}{\sqrt{4x^2 - 4x + 5}} dx$

38. $\int \frac{8x - 3}{\sqrt{12x - 4x^2 - 5}} dx$

39. $\int \frac{3 - 4x}{\sqrt{3x - x^2 - 2}} dx$

40. $\int \frac{5x + 2}{\sqrt{x^2 + 2x + 5}} dx$

41. $\int \frac{1 - x}{\sqrt{x^2 + 4x + 3}} dx$

42. $\int \frac{x + 4}{\sqrt{x^2 + x + 1}} dx$

43. $\int \frac{3x - 2}{\sqrt{x^2 - 2x - 2}} dx$

44. $\int \frac{4x + 6}{\sqrt{5x^2 + 3x + 2}} dx$

45. $\int \frac{6 - x}{\sqrt{4x^2 - 12x + 7}} dx$