

Mixed Integrals

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

2. $\int x \sec x \tan x dx$

3. $\int x \ln(x+1) dx$

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

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

6. $\int \frac{\sqrt{4x^2+9}}{x^4} dx$

7. $\int \sin^3 2x \sqrt{\cos 2x} dx$

8. $\int (x^2-1)e^x dx$

9. $\int \tan^5 2x \sec^4 2x dx$

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

11. $\int \frac{1}{(16-x^2)^{3/2}} dx$

12. $\int \frac{\cot^3 x}{\csc x} dx$

13. $\int \arcsin x dx$

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

15. $\int \frac{x^3}{x^4-2x^2-8} dx$

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

17. $\int e^{-x} \sin 2x dx$

18. $\int \sin \sqrt{x} dx$

19. $\int \sin(-4x) \cos 3x dx$

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

21. $\int \frac{x^2+x+3}{x^4+6x^2+9} dx$

22. $\int x \sec^2 x dx$

23. $\int \sqrt{9-25x^2} dx$

24. $\int \sec^3 x dx$

25. $\int \frac{\sec^2 x}{\tan^2 x + 5 \tan x + 6} dx.$

26. $\int \cos(\ln x) dx$

27. $\int \sin^2 x \cos^4 x dx$

28. $\int \sqrt{x^2-4} dx$

29. $\int \arctan x dx$

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