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| 1. $\int \frac{\sin x}{7 + 3 \cos^2 x} dx$                  | 2. $\int \frac{x + \operatorname{arctg}^3 x}{1 + x^2} dx$ |
| 3. $\int \frac{dx}{x(3 + 7 \ln x)^4}$                       | 4. $\int \frac{5^{\arcsin x}}{\sqrt{1 - x^2}} dx$         |
| 5. $\int \frac{dx}{\sqrt{x}(1 + \sqrt{x})}$                 | 6. $\int \frac{81^x - 3^x}{9^x} dx$                       |
| 7. $\int \frac{e^{2x} dx}{e^{4x} - 5}$                      | 8. $\int \frac{1 - 2x}{\sqrt{1 + 4x^2}} dx$               |
| 9. $\int e^x \left( 2 - \frac{e^{-x}}{\sqrt{x}} \right) dx$ | 10. $\int (3 - 2x)^7 dx$                                  |
| 11. $\int \operatorname{arctg} x dx$                        | 12. $\int (3x - 5) \cos x dx$                             |
| 13. $\int x^2 \cdot e^{-3x} dx$                             | 14. $\int (x + 2) \cdot \ln^2 x dx$                       |
| 15. $\int \frac{\arcsin \sqrt{x}}{\sqrt{1 - x}} dx$         | 16. $\int \sin(\ln x) dx$                                 |
| 17. $\int \frac{dx}{x^2 + 3x + 5}$                          | 18. $\int \frac{dx}{\sqrt{x^2 - 6x - 7}}$                 |
| 19. $\int \frac{(x - 8) dx}{\sqrt{3 + 2x - x^2}}$           | 20. $\int \frac{(3x - 1) dx}{4x^2 - 4x + 7}$              |
| 21. $\int \frac{3x^3 + x^2 + 5x + 1}{x^3 + x} dx$           | 22. $\int \frac{dx}{x^4 - x^2}$                           |
| 23. $\int \frac{(x + 2) dx}{x^3 - 2x^2 + 2x}$               | 24. $\int \frac{x^2 - x}{(x + 3)^3} dx$                   |
| 25. $\int \frac{dx}{x\sqrt{x - 2}}$                         | 26. $\int \frac{\sqrt[4]{x} + \sqrt{x}}{\sqrt{x} + 1} dx$ |
| 27. $\int \frac{(x + 2)^2}{\sqrt{x - 1}} dx$                | 28. $\int \sqrt[3]{x} (1 - \sqrt[3]{x})^3 dx$             |
| 29. $\int \frac{dx}{x^2 \sqrt{1 - x^2}}$                    | 30. $\int \frac{dx}{x^4 \cdot \sqrt{1 + x^2}}$            |
| 31. $\int \frac{dx}{\cos^3 x \sin^3 x}$                     | 32. $\int \frac{dx}{3 \cos^2 x - 5 \sin^2 x}$             |
| 33. $\int \sin 5x \cos 3x dx$                               | 34. $\int \operatorname{tg}^3 x dx$                       |
| 35. $\int \cos^4 \frac{x}{3} dx$                            | 36. $\int \frac{dx}{4 + 5 \sin x}$                        |
| 37. $\int \operatorname{arctg} \sqrt{x} dx$                 | 38. $\int \frac{dx}{e^x + 3}$                             |
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