

Найти интеграл

$$1. \int \frac{x^3-17}{(x^2-4x+3)(5x-2)} dx$$

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

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

$$4. \int \frac{x^3-3x^2-12}{(x-4)(x-3)(x-2)} dx$$

$$5. \int \frac{x^3+6x^2+13x+9}{(x+1)(x+2)^2} dx$$

$$6. \int \frac{x^5-3x^3+1}{(x^2-x)(5x-2)} dx$$

$$7. \int \frac{2x^5-8x^3+3}{(x^2-2x)(5x-2)} dx$$

$$8. \int \frac{x^3-5x^2+5x+23}{(x-1)(x+1)(x-5)} dx$$

$$9. \int \frac{2x^4-5x^2-8x-8}{x(x-2)(x+2)} dx$$

$$10. \int \frac{2x^3+5}{(x^2-x-2)(2x-2)} dx$$

$$11. \int \frac{x^3+6x^2+13x+9}{(x+1)(x+2)^2} dx$$

$$12. \int \frac{x^3-8}{(x^2-6x+8)^2} dx$$

$$13. \int \frac{x^3+2x^2+3}{(x-1)(x-2)(x-3)} dx$$

$$14. \int \frac{x^4-81}{(x^2-2x-42)(2x-3)} dx$$

$$15. \int \frac{x^3+6x^2+11x-10}{(x-2)(x+2)^2} dx$$

$$16. \int \frac{x^3 - 6x^2 + 13x - 6}{(x+2)(x-2)^3} dx$$

$$17. \int \frac{x^3 + 5x^2 + 5x + 23}{x(x-2)(x+2)} dx$$

$$18. \int \frac{3x^3 + 25}{(10x-1)(x^2-x-2)} dx$$

$$19. \int \frac{x^5 - x^3 + 1}{(x^2 - x)^2} dx$$

$$20. \int \frac{2x^4 + 2x^3 - 41x^2 + 20}{x(x-5)(x+5)} dx$$

$$21. \int \frac{2x^3 + x + 1}{x^3(x+1)} dx$$

$$22. \int \frac{x^3 - 17}{(x-3)(x^2 - 4x + 3)} dx$$

$$23. \int \frac{x^3 + 6x^2 + 18x - 4}{(x-2)(x+2)^3} dx$$

$$24. \int \frac{3x^3 + 9x^2 + 10x + 2}{(x-1)(x+2)^3} dx$$

$$25. \int \frac{2x^3 - 40x - 8}{(x^2 - 4x + 3)(x-3)} dx$$