

Esercizi su integrali - 2

Calcolare i seguenti integrali definiti di funzioni razionali

1. $\int_1^5 \frac{x+2}{x+3} dx$

2. $\int_2^3 \frac{3x+5}{2x-1} dx$

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

4. $\int_2^4 \frac{x^2}{x+1} dx$

5. $\int_0^1 \frac{1}{x^2+3x+2} dx$

6. $\int_1^2 \frac{3x+2}{4x^2-1} dx$

7. $\int_0^1 \frac{x^3-1}{2x^2+5x+2} dx$

8. $\int_{1/2}^{2/3} \frac{x^2+x}{x^2-2} dx$

9. $\int_2^4 \frac{x-1}{2x^2+3x+4} dx$

10. $\int_1^5 \frac{x^3+1}{2x^2+5} dx$

11. $\int_1^3 \frac{x^4+1}{x(x+1)(x+2)} dx$

12. $\int_2^3 \frac{2x+1}{x^3-x} dx$

13. $\int_1^3 \frac{3x+4}{x(x^2+2x+3)} dx$

14. $\int_1^2 \frac{3x-2}{x^2(x+1)} dx$

15. $\int_2^3 \frac{1}{(x-x^2)^2} dx$

16. $\int_1^2 \frac{x^3}{(x+1)(9x^2-1)} dx$

17. $\int_2^3 \frac{x}{x^4-1} dx$

18. $\int_1^4 \frac{1}{x^4+x^3+x^2} dx$