

1. $\int \frac{2x+3}{(x-2)(x+5)} dx.$
2. $\int \frac{x dx}{(x+1)(x+2)(x+3)}.$
3. $\int \frac{x^2+1}{x^3-5x^2+6x} dx.$
4. $\int \frac{x^4}{x^4+5x^2+4} dx.$
5. $\int \frac{x^3 dx}{x^2+x-2}.$
6. $\int \frac{x dx}{x^2-3x+2}.$
7. $\int \frac{dx}{(x+1)(x+2)^2(x+3)^2}.$
8. $\int \frac{dx}{(x+1)(x^2+1)}.$
9. $\int \frac{x dx}{(x-1)^2(x^2+2x+2)}.$
10. $\int \frac{dx}{x(1+x)(1+x+x^2)}.$
11. $\int \frac{x^2+5x+4}{x^4+5x^2+4} dx.$
12. $\int \frac{dx}{x^2+1}.$
13. $\int \frac{dx}{x^4+1}.$
14. $\int \frac{dx}{(1+x)(1+x^2)(1+x^4)}.$
15. $\int \frac{x dx}{(x-1)^2(x+1)^2}.$
16. $\int \frac{dx}{(x^2+1)^2}.$
17. $\int \frac{dx}{x^3-x^4+x^2-x^3+x-1}.$
18. $\int \frac{dx}{\sqrt{4x^2+2x+1}}.$
19. $\int \frac{x+4}{\sqrt{6-2x-x^2}} dx.$
20. $\int \frac{x^2}{\sqrt{1-2x-x^2}} dx.$