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

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

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

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

5) $$\int \frac{2x^2+x-1}{2x^3+x^2-5x+2}$$

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

7) $$\int \frac{x^2+x+3}{x-2} dx$$

8) $$\int \frac{3x+2}{x^3+3x^2+3x+1} dx$$

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

10) $$\int \frac{e^t dt}{e^{2t}+3e^t+2}$$

11) $$\int \frac{x^3+x^2+x+3}{x^4+4x^2+3}dx$$

12) $$\int \frac{\sin x dx}{\cos x(\cos x-1)}$$

13) $$\int \frac{6x^2-8x+5}{x^3-2x^2+x}dx$$

14) $$\int \frac{7x^2+2x-28\ \ dx}{(x-6)(x^2+3x+5)}$$

15) $$\int \frac{3x^2-5}{x^3+2x}dx$$

16) $$\int \frac{2x^4-5x-7}{x^3+2x}dx$$

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