Primitive

1. $\displaystyle\int \frac{\mathrm{d}x}{(x-1)^2(x-2)}$;

2. $\displaystyle\int \frac{\mathrm{d}x}{(x+1)^2(x^2+1)}$;

3. $\displaystyle\int \frac{\mathrm{d}x}{(x^2+4)^2}$;

4. $\displaystyle\int \frac{\mathrm{d}x}{x^4+1}$;

5. $\displaystyle\int \frac{\operatorname{arctg} x}{x^2}\mathrm{d}x$;

6. $\displaystyle\int \frac{x \sin x}{(1+\cos x)^2}\mathrm{d}x$;

7. $\displaystyle\int \frac{\operatorname{arctg} x}{x^2}\mathrm{d}x$;

8. $\displaystyle\int \frac{\mathrm{d}x}{5+4\sin x}$;

9. $\displaystyle\int \frac{\mathrm{d}x}{2\sqrt{x-x^2}}$;

10. $\displaystyle\int \frac{\mathrm{d}x}{x\sqrt{x^2-1}}$.