

1. $\int \frac{1}{(x-1)\sqrt{(x+2)}} dx$
2. $\int \frac{1}{(x-1)\sqrt{2x+3}} dx$
3. $\int \frac{x+1}{(x-1)\sqrt{x+2}} dx$
4. $\int \frac{x^2}{(x-1)\sqrt{(x+2)}} dx$
5. $\int \frac{x}{(x-3)\sqrt{x+1}} dx$
6. $\int \frac{1}{(x^2+1)\sqrt{x}} dx$
7. $\int \frac{x}{(x^2+2x+2)(\sqrt{x+1})} dx$
8. $\int \frac{1}{(x-1)\sqrt{(x^2+1)}} dx$
9. $\int \frac{1}{(x+1)\sqrt{x^2+x+1}} dx$
10. $\int \frac{1}{(x^2-1)\sqrt{x^2+1}} dx$
11. $\int \frac{x}{(x^2+4)\sqrt{x^2+1}} dx$
12. $\int \frac{1}{(1+x^2)\sqrt{1-x^2}} dx$
13. $\int \frac{1}{(2x^2+3)\sqrt{x^2-4}} dx$
14. $\int \frac{x}{(x^2+4)\sqrt{x^2+9}} dx$
15. Write a value of $\int \frac{1+\cot x}{x+\log \sin x} dx$