

1. $\int \sin^2 x \cos x \, dx$
2. $\int \frac{\sqrt{\ln x}}{x} \, dx$
3. $\int \frac{x^2}{(x^3+2)^2} \, dx$
4. $\int x\sqrt{1-x^2} \, dx$
5. $\int \frac{1+3x^2}{x(1+x^2)} \, dx$
6. $\int \frac{x^3}{x^8+1} \, dx$
7. $\int \frac{dx}{\sqrt{a-bx^2}} \, dx$
8. $\int \cos^2 x \, dx$
9. $\int \tan^2 x \, dx$
10. $\int \frac{1+\cos^2 x}{1+\cos 2x} \, dx$