

$$1. \int \frac{e^x dx}{e^x + 1}$$

$$2. \int \frac{\sin 2x dx}{\sqrt{1 + \sin^2 x}}$$

$$3. \int \frac{\sqrt{1 + \arctg x}}{1 + x^2} dx$$

$$4. \int \cos^3 x \sin 2x dx$$

$$5. \int e^{\sin x} \cos x dx$$

$$6. \int \frac{x dx}{\sqrt{1 - x^4}}$$

$$7. \int \frac{(1+x)^2 dx}{x^2 + 1}$$

$$8. \int \arctg x dx$$

$$9. \int x^2 \ln x dx$$

$$10. \int \frac{x \arcsin x}{\sqrt{1 - x^2}} dx$$

$$11. \int \frac{x dx}{\sqrt{1 + 2x}}$$

$$12. \int \frac{dx}{1 + \sqrt{x}}$$