

Antiderivatives 7

Find the indicated antiderivative. Check your answers.

1. $\int \sin^3 x \cos x \, dx =$

2. $\int \cos^4 x \sin x \, dx =$

3. $\int \tan^5 x \sec^2 x \, dx =$

4. $\int \tan^2 x \sec^2 x \, dx =$

5. $\int \cot^3 x \csc^2 x \, dx =$

$$6. \int \frac{1}{x+5} dx =$$

$$7. \int \frac{x}{x+3} dx =$$

$$8. \int \frac{1}{\sqrt{x+2}} dx =$$

$$9. \int \frac{x}{\sqrt{x+2}} dx =$$

$$10. \int x\sqrt{x+2} dx =$$