

Integrals (using tables)**Section 7.3**

Integrate the following functions using the table of integrals.

1. $\int \frac{1}{\sin^4 5\alpha} d\alpha$

2. $\int \frac{z^3 + 2z - 3}{z^2 - 4} dz$

3. $\int e^{2w} \cos(2w + 1) dw$

4. $\int x^5 \sin x^3 dx$

5. $\int x^3 \ln(5x) dx$

6. $\int \cos(7\theta) \sin(5\theta) d\theta$

7. $\int \cos^4 y \sin^5 y dy$

8. $\int (x^3 + 2x - 4)e^{5x} dx$

10. $\int \frac{1}{y^2 + 4y + 8} dy$