

Integral Practice Worksheet

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

2. $\int \sin(2\theta)e^{\cos(2\theta)}d\theta$

3. $\int (\arctan y)dy$ [Consider how we found $\int \ln x dx$]

4. $\int ze^{z+2}dz$

5. $\int \frac{\sin(t^{0.6})}{t^{0.4}}dt$

6. $\int x \ln(x^2)dx$

7. $\int \frac{x}{e^x}dx$

8. $\int \frac{(\ln x)^2}{x}dx$

9. $\int x^7(\ln x)dx$