

The Natural Exponential

Solve the following indefinite integral problems.

1. $\int e^{2y} dy$

2. $\int ye^{y^2} dy$

3. $\int (\cos y)e^{\sin y} dy$

4. $\int \frac{e^y}{1+e^y} dy$

5. $\int \frac{e^y - e^{-y}}{2} dy$