

Logarithmic and Exponential Integrals

Find each indefinite integral exactly. Include + C and state the real domain of the integrand.

1. $\int -2 \cdot 7^x \, dx$

2. $\int -7 \cdot e^x \, dx$

3. $\int \frac{1}{x} \, dx$

4. $\int -4 \cdot 3^x \, dx$

5. $\int \frac{-10}{x} \, dx$

6. $\int \frac{5}{2} \cdot e^x \, dx$

7. $\int 9 \cdot e^x \, dx$

8. $\int -12 \cdot 3^x \, dx$

9. $\int \frac{10}{x} \, dx$

10. $\int \frac{-5}{x} \, dx$
