Symbolab

Integrals

Basic

Exponents

1. $\int a^x dx$

2. $\int 2b^x dx$

3. $\int k^x + 4 dx$

4. $\int 3a^r dr$

5. $\int \left(a^x + x^a \right) dx$

6. $\int \left(nx - n^x \right) dx$

7. $\int a^t - t^5 dt$

8. $\int a^x - 5x dx$

9. $\int 6b^x dx$

10. $\int a^x + 4 dx$

Answers

Integrals

Basic

Exponents

1. $\dfrac{a^x}{\ln\left(a\right)} + C$

2. $\dfrac{2b^x}{\ln\left(b\right)} + C$

3. $\dfrac{k^x}{\ln\left(k\right)} + 4x + C$

4. $\dfrac{3a^r}{\ln\left(a\right)} + C$

5. $\dfrac{a^x}{\ln\left(a\right)} + \dfrac{x^{a+1}}{a+1} + C$

6. $\dfrac{nx^2}{2} - \dfrac{n^x}{\ln\left(n\right)} + C$

7. $\dfrac{a^t}{\ln\left(a\right)} - \dfrac{t^6}{6} + C$

8. $\dfrac{a^x}{\ln\left(a\right)} - \dfrac{5x^2}{2} + C$

9. $\dfrac{6b^x}{\ln\left(b\right)} + C$

10. $\dfrac{a^x}{\ln\left(a\right)} + 4x + C$