

Anti-Derivatives

Determine each anti-derivative using anti-constant or anti-power rule:

1. $\int \pi \, dx$

2. $\int (4x^3 + 3x^2 + 2x + 1) \, dx$

3. $\int (x^{100} + x^{50} + x^{25} + 1) \, dx$

4. $\int (x^{e+1} - x^\pi + x^{\sqrt{2}}) \, dx$