



3.  $\int \frac{1}{x^2} dx$  (  $\int x^{-2} dx$  )  $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$

4.  $\int \frac{1}{x^3} dx$

5.  $\int \frac{1}{x^4} dx$

6.  $\int \frac{1}{x^5} dx$

7.  $\int \frac{1}{x^6} dx$

8.  $\int \frac{1}{x^7} dx$

9.  $\int \frac{1}{x^8} dx$

10.  $\int \frac{1}{x^9} dx$

11.  $\int \frac{1}{x^{10}} dx$

12.  $\int \frac{1}{x^{11}} dx$

### 3. $\int \frac{1}{x^2} dx$ ( $\int x^{-2} dx$ )

1.  $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$

2.  $\int \frac{1}{x^3} dx = -\frac{1}{2x^2} + C$

3.  $\int \frac{1}{x^4} dx = -\frac{1}{3x^3} + C$

4.  $\int \frac{1}{x^5} dx = -\frac{1}{4x^4} + C$

5.  $\int \frac{1}{x^6} dx = -\frac{1}{5x^5} + C$

6.  $\int \frac{1}{x^7} dx = -\frac{1}{6x^6} + C$

7.  $\int \frac{1}{x^8} dx = -\frac{1}{7x^7} + C$



