

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

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

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

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

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

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

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

