

- $\frac{1}{x} \frac{d}{dx} x^2 = 2x$
- $\frac{d}{dx} x^2 = 2x$
- $\frac{d}{dx} x^3 = 3x^2$
- $\frac{d}{dx} x^4 = 4x^3$
- $\frac{d}{dx} x^5 = 5x^4$
- $\frac{d}{dx} x^6 = 6x^5$
- $\frac{d}{dx} x^7 = 7x^6$
- $\frac{d}{dx} x^8 = 8x^7$
- $\frac{d}{dx} x^9 = 9x^8$
- $\frac{d}{dx} x^{10} = 10x^9$
- $\frac{d}{dx} x^n = nx^{n-1}$
- $\frac{d}{dx} x^{-1} = -x^{-2} = -\frac{1}{x^2}$
- $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$
- $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$
- $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$
- $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$
- $\frac{d}{dx} x^{-6} = -6x^{-7} = -\frac{6}{x^7}$
- $\frac{d}{dx} x^{-7} = -7x^{-8} = -\frac{7}{x^8}$
- $\frac{d}{dx} x^{-8} = -8x^{-9} = -\frac{8}{x^9}$
- $\frac{d}{dx} x^{-9} = -9x^{-10} = -\frac{9}{x^{10}}$
- $\frac{d}{dx} x^{-10} = -10x^{-11} = -\frac{10}{x^{11}}$
- $\frac{d}{dx} x^{-n} = -nx^{-n-1} = -\frac{n}{x^{n+1}}$
- $\frac{d}{dx} x^{-1} = -x^{-2} = -\frac{1}{x^2}$
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- $\frac{d}{dx} x^{-n} = -nx^{-n-1} = -\frac{n}{x^{n+1}}$

