

8. $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

9. $\frac{1}{x^3} = x^{-3}$ $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$

10. $\frac{1}{x^4} = x^{-4}$ $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$

11. $\frac{1}{x^5} = x^{-5}$ $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$

12. $\frac{1}{x^6} = x^{-6}$ $\frac{d}{dx} x^{-6} = -6x^{-7} = -\frac{6}{x^7}$

13. $\frac{1}{x^7} = x^{-7}$ $\frac{d}{dx} x^{-7} = -7x^{-8} = -\frac{7}{x^8}$

14. $\frac{1}{x^8} = x^{-8}$ $\frac{d}{dx} x^{-8} = -8x^{-9} = -\frac{8}{x^9}$

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15. $y = u^n$ $\frac{dy}{dx} = n u^{n-1} \frac{du}{dx}$

16. $y = u^m$ $\frac{dy}{dx} = m u^{m-1} \frac{du}{dx}$

17. $y = u^k$ $\frac{dy}{dx} = k u^{k-1} \frac{du}{dx}$

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18. $y = u^p$ $\frac{dy}{dx} = p u^{p-1} \frac{du}{dx}$

19. $y = u^q$ $\frac{dy}{dx} = q u^{q-1} \frac{du}{dx}$

20. $y = u^r$ $\frac{dy}{dx} = r u^{r-1} \frac{du}{dx}$

21. $y = u^s$ $\frac{dy}{dx} = s u^{s-1} \frac{du}{dx}$

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22. $y = u^t$ $\frac{dy}{dx} = t u^{t-1} \frac{du}{dx}$

23. $y = u^v$ $\frac{dy}{dx} = v u^{v-1} \frac{du}{dx}$

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24. $y = u^w$ $\frac{dy}{dx} = w u^{w-1} \frac{du}{dx}$

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