

5. $\frac{1}{x^2} = x^{-2}$, $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$. $\frac{d}{dx} \left(\frac{1}{x^2} \right) = -\frac{2}{x^3}$.

