

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

2. $\frac{d}{dx} \ln(x^2) = \frac{1}{x^2} \cdot 2x = \frac{2}{x}$ $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

3. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

4. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

5. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

6. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

7. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

8. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

9. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$

10. $\frac{d}{dx} \ln(x^2) = \frac{2}{x}$