

[illegible]

1. $\frac{1}{x^2} = x^{-2}$, $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$.
2. $\frac{d}{dx} x^{\frac{1}{2}} = \frac{1}{2} x^{-\frac{1}{2}} = \frac{1}{2\sqrt{x}}$.
3. $\frac{d}{dx} x^{\frac{1}{3}} = \frac{1}{3} x^{-\frac{2}{3}} = \frac{1}{3\sqrt[3]{x^2}}$.
4. $\frac{d}{dx} x^{\frac{1}{4}} = \frac{1}{4} x^{-\frac{3}{4}} = \frac{1}{4\sqrt[4]{x^3}}$.

[illegible]

