

a)

$$y = x^2$$

↓ inverse

$$x = y^2$$

↓ diff

$$1 = 2y \cdot \frac{dy}{dx}$$

$$\boxed{\frac{dy}{dx} = \frac{1}{2y}}$$

b)

$$y = x^2$$

↓ inverse

$$x = y^2$$

$$y = x^{1/2}$$

↓ diff

$$\boxed{\frac{dy}{dx} = \frac{1}{2x^{1/2}}}$$

