

Function derivative example

Calculate the derivative of the following function:

$$f(x) = \sqrt{x}$$

$$f(x) = x^{\frac{1}{2}}$$

$$f'(x) = \frac{1}{2} \cdot x^{-\frac{1}{2}}$$

$$f'(x) = \frac{x^{-\frac{1}{2}}}{2}$$

$$f'(x) = \frac{1}{2 \cdot \sqrt{x}}$$