

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

$$f\left(f^{-1}(x)\right) = x \quad (1)$$

$$\left(f(g(x))\right)' = f'(g(x)) \cdot g'(x) \quad (2)$$

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

Bevis

$$f\left(f^{-1}(x)\right) = x \quad (1)$$

$$\left(f(g(x))\right)' = f'(g(x)) \cdot g'(x) \quad (2)$$

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

Bevis

$$f(f^{-1}(x)) = x$$

$$f(f^{-1}(x)) = x \quad (1)$$

$$(f(g(x)))' = f'(g(x)) \cdot g'(x) \quad (2)$$

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

Bevis

$$f\left(f^{-1}(x)\right) = x$$

$$\left(f\left(f^{-1}(x)\right)\right)' = (x)'$$

$$f\left(f^{-1}(x)\right) = x \quad (1)$$

$$\left(f(g(x))\right)' = f'(g(x)) \cdot g'(x) \quad (2)$$

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

Bevis

$$f(f^{-1}(x)) = x$$

$$\left(f(f^{-1}(x))\right)' = (x)'$$

$$f'(f^{-1}(x)) \cdot \left(f^{-1}(x)\right)' = 1$$

$$f(f^{-1}(x)) = x \quad (1)$$

$$(f(g(x)))' = f'(g(x)) \cdot g'(x) \quad (2)$$

Sætning:

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

$$f'(f^{-1}(x)) \neq 0$$

Bevis

$$f(f^{-1}(x)) = x$$

$$\left(f(f^{-1}(x))\right)' = (x)'$$

$$f'(f^{-1}(x)) \cdot \left(f^{-1}(x)\right)' = 1$$

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

$$f(f^{-1}(x)) = x \quad (1)$$

$$(f(g(x)))' = f'(g(x)) \cdot g'(x) \quad (2)$$