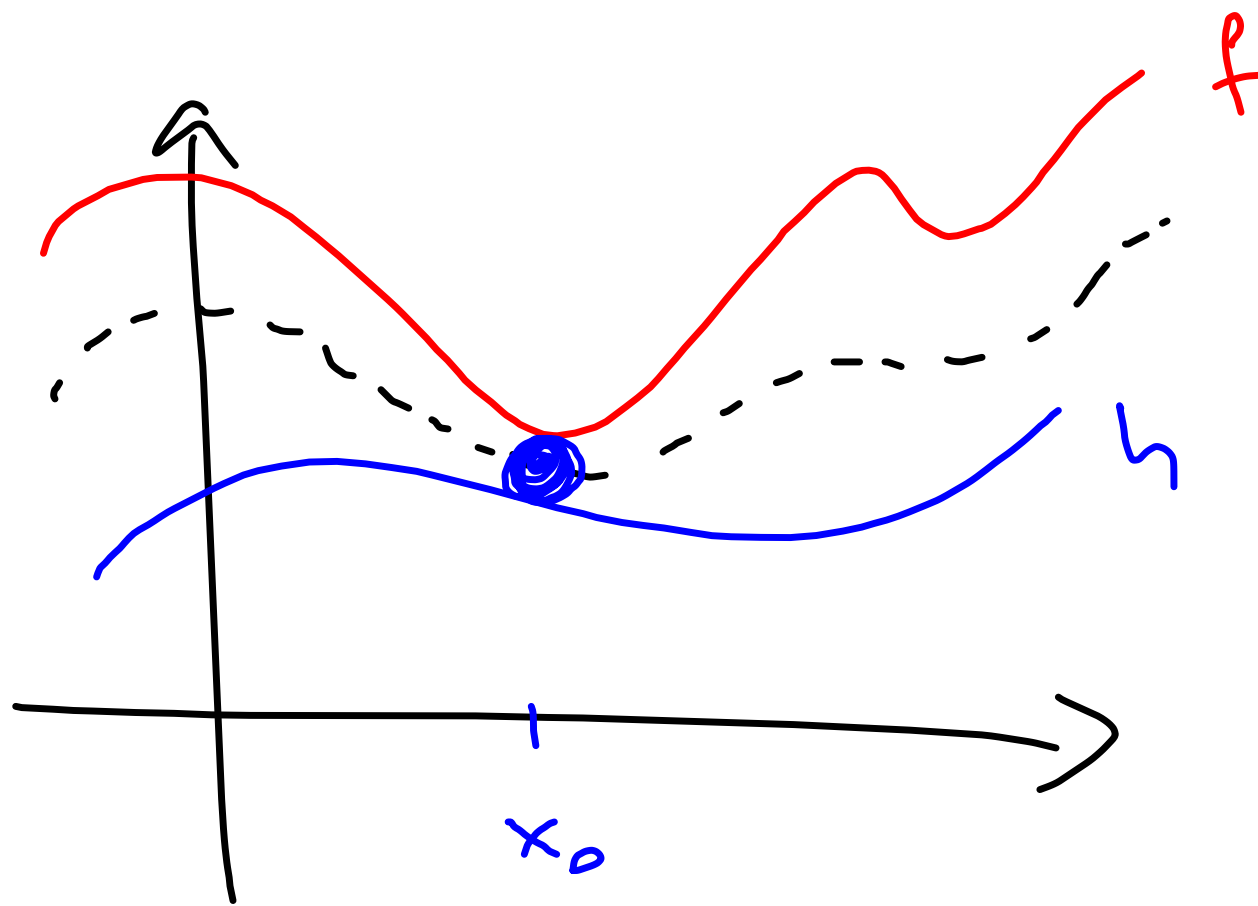
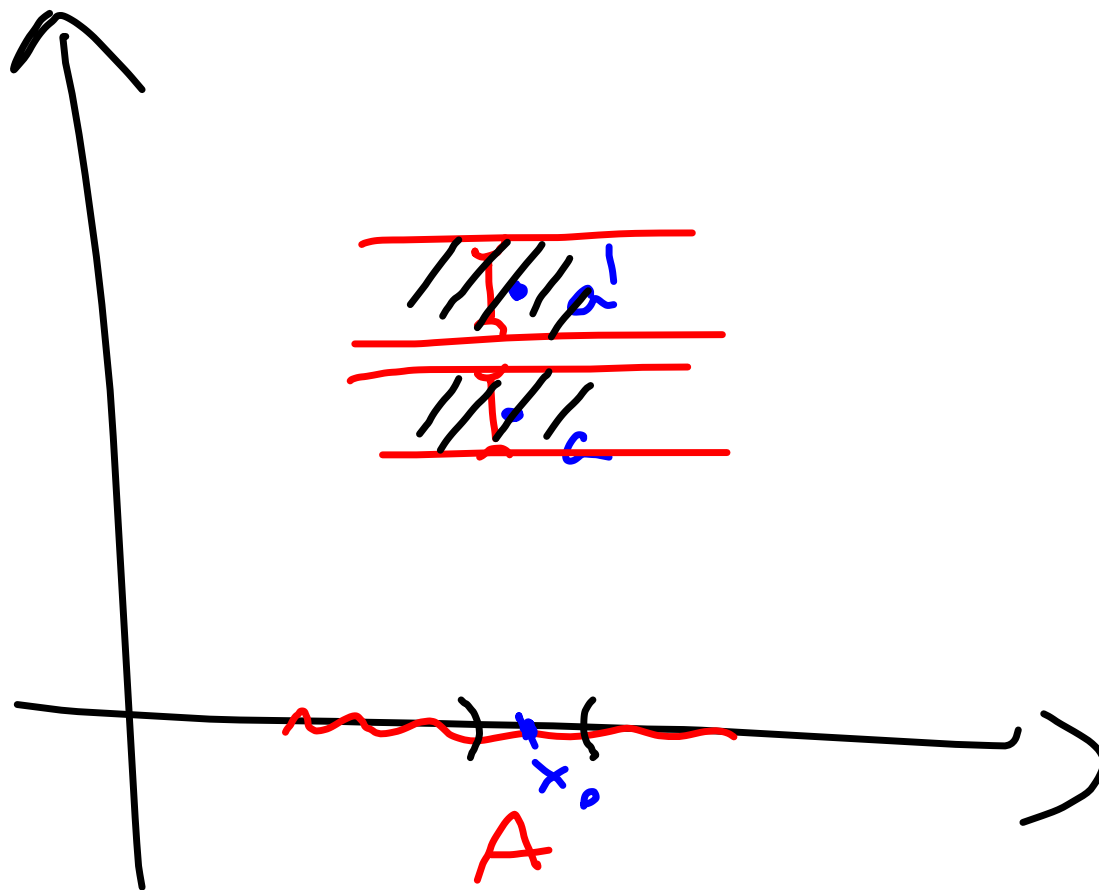


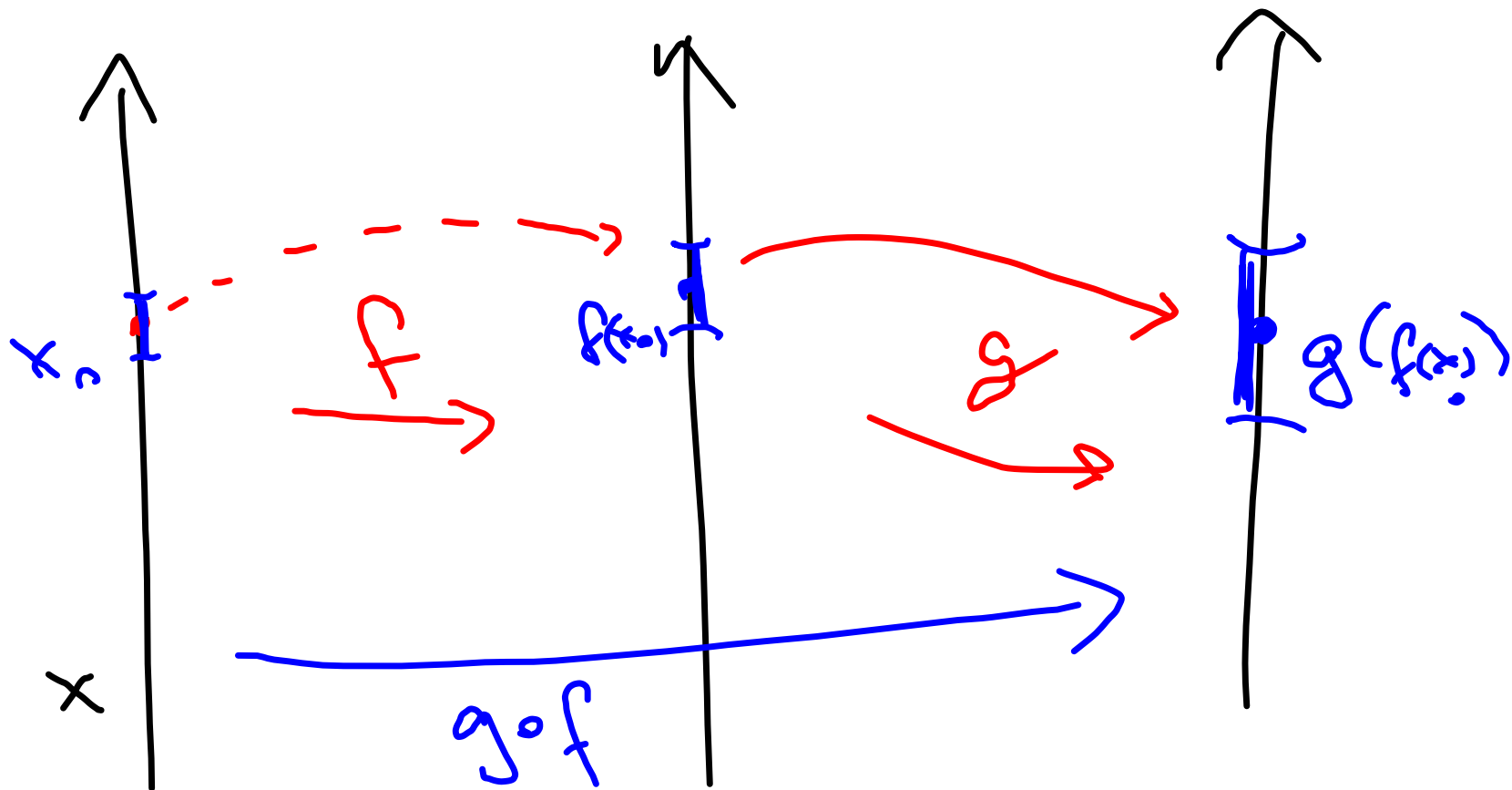
$$\lim_{x \rightarrow x_0} f(x) = y_0$$

Definicija:  
 $\lim_{x \rightarrow x_0} f(x) = f(x_0)$



$$\lim_{x \rightarrow x_0} f(x) = \lim_{x \rightarrow x_0} g(x)$$



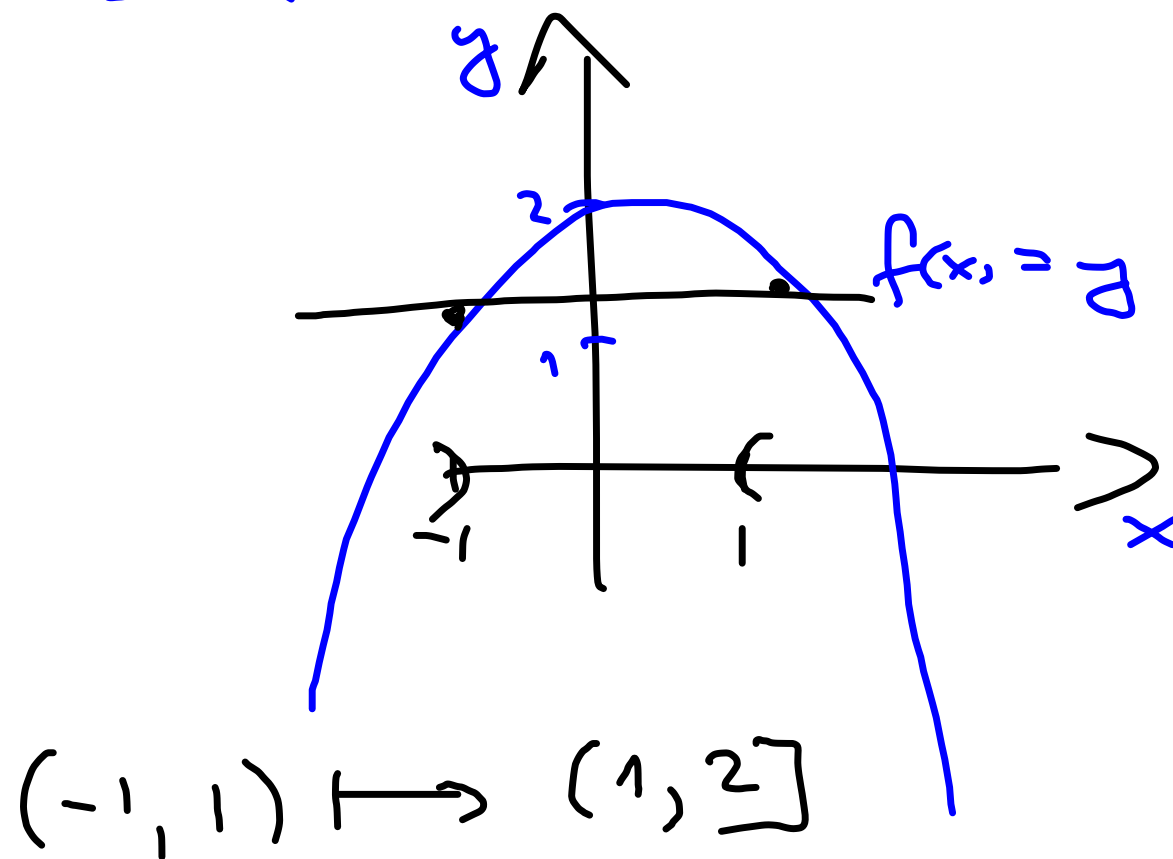


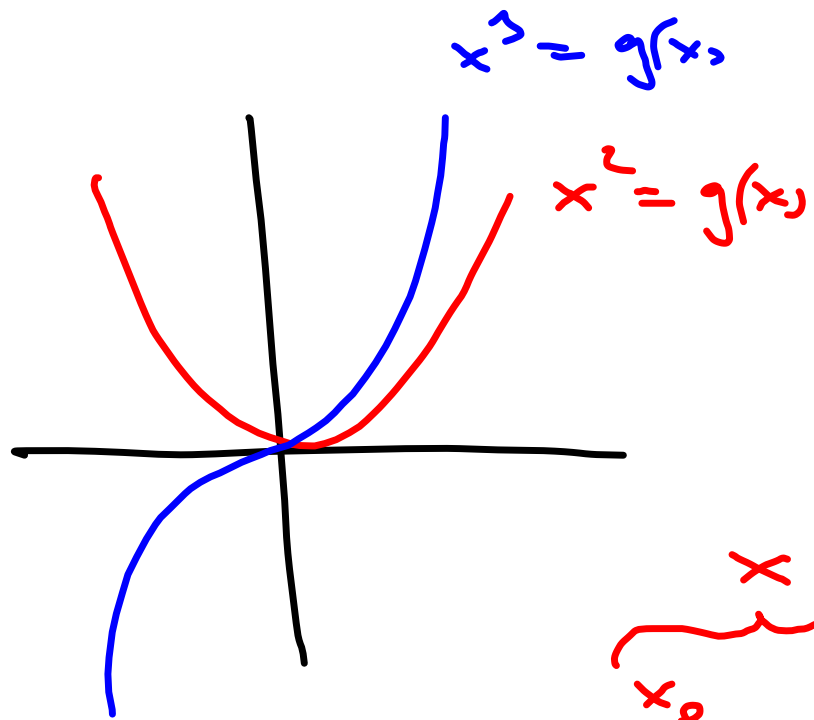
$$y = f(x)$$

$$g \circ f$$

$$z = g(y)$$

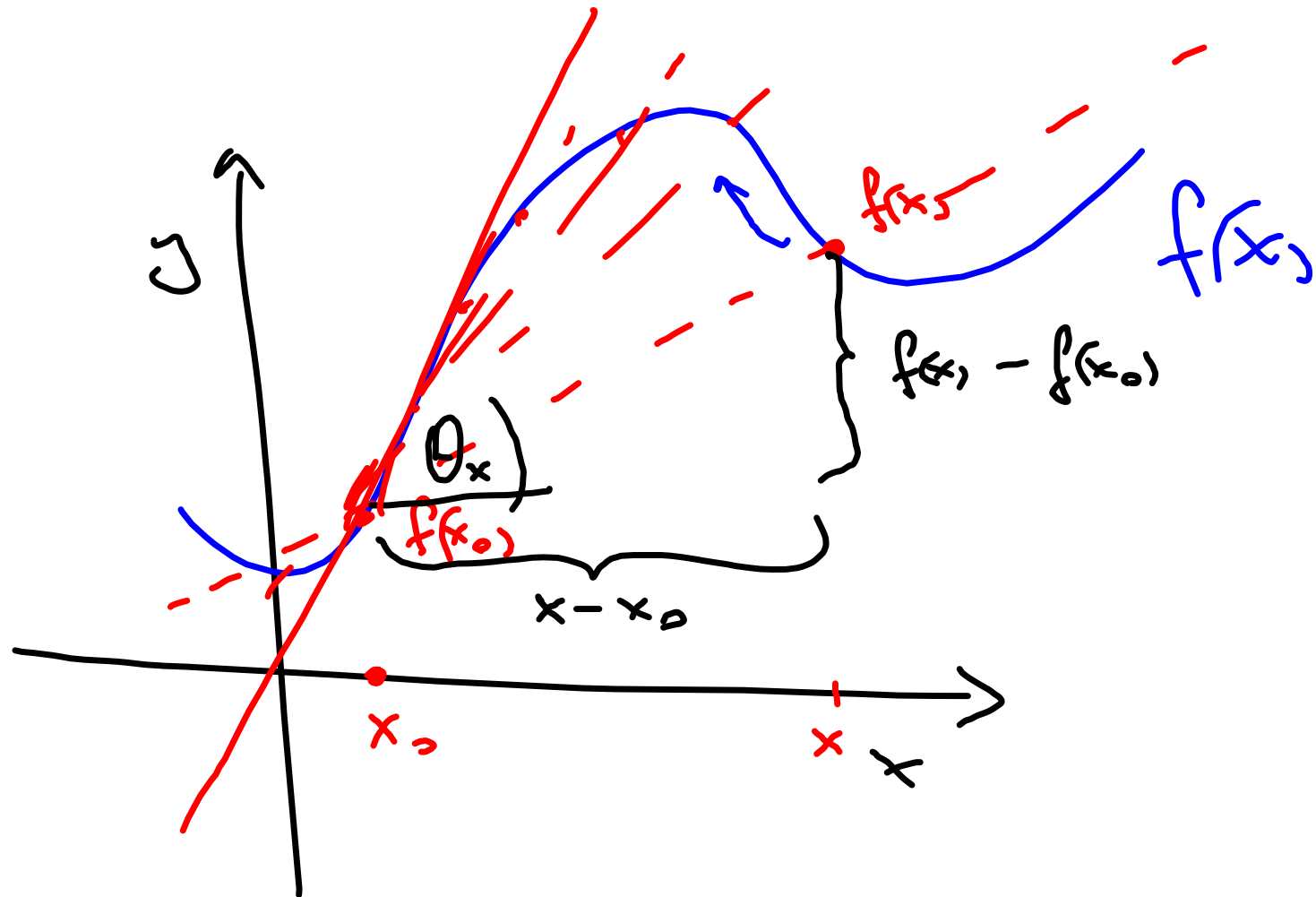
$$f(x) = 2 - x^2$$



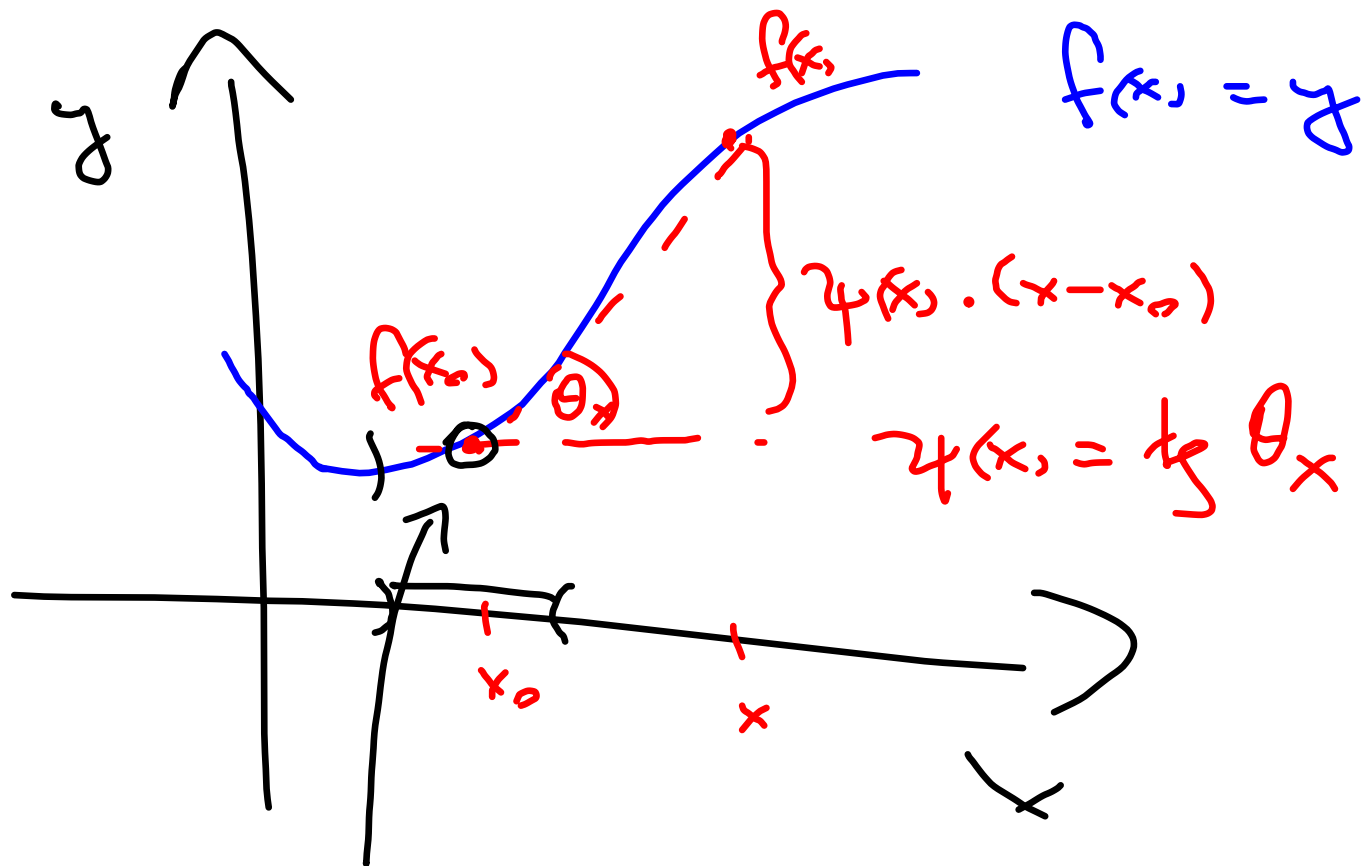


$$\frac{f(\overbrace{x + \Delta x}^x) - f(x)}{\Delta x}$$

$\downarrow$   
 $x_0$   
 $x - x_0$



$$\frac{f(x) - f(x_0)}{x - x_0} = \tan \theta_x$$



$f'(x_0) > 0 \Rightarrow$  roste na  $x_0$