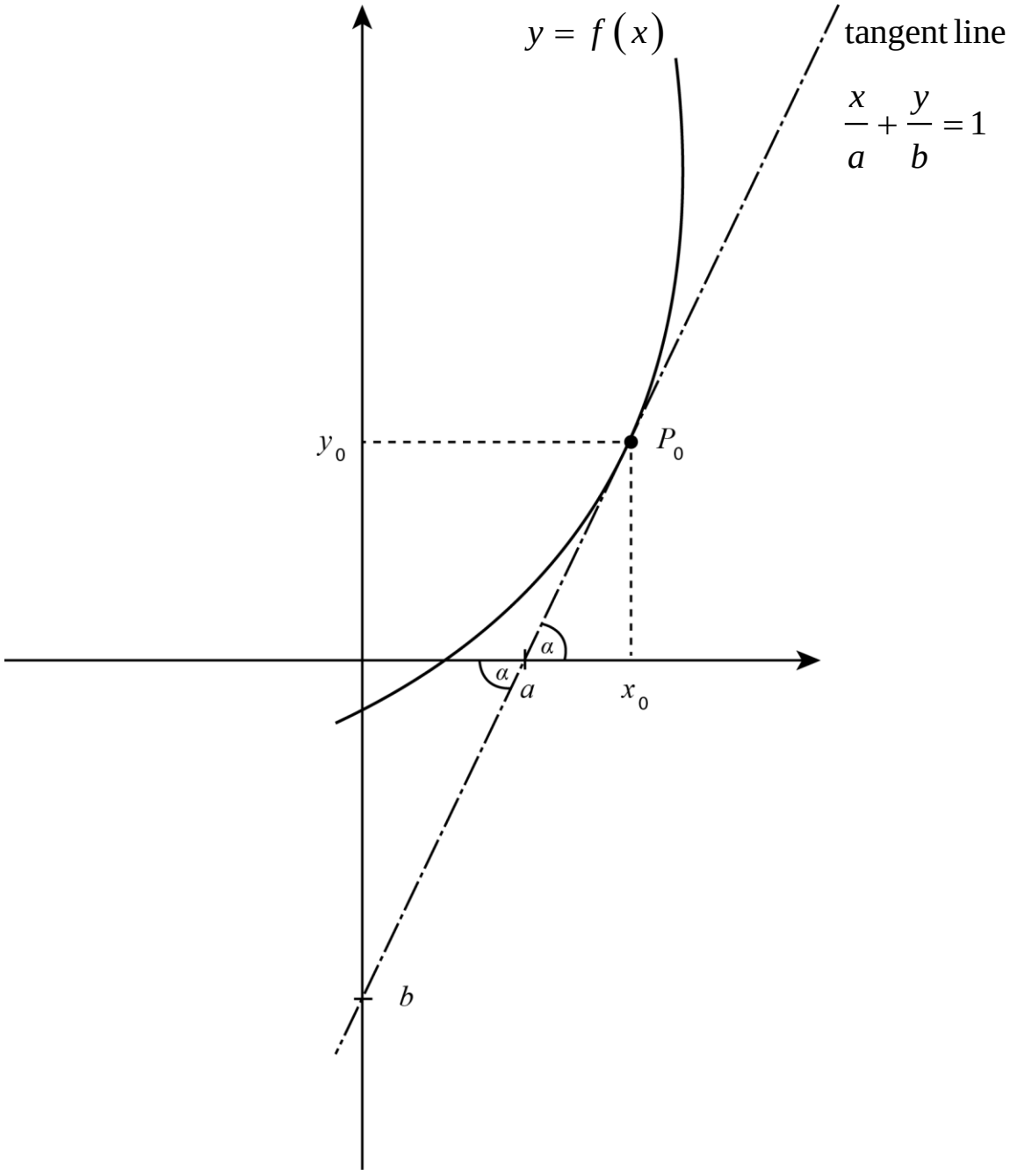
Unit n°102

Supplement 1

Geometric interpretation



$$a = \frac{\left(\frac{x}{f(x)}\right)^{(1)}}{\left(\frac{1}{f(x)}\right)^{(1)}} = \frac{x\,f'(x) - f(x)}{f'(x)} = x - \frac{f(x)}{f'(x)}\Bigg|_{x=x_0} \tag{5}$$

$$b = \frac{\left(\frac{f(x)}{x}\right)^{(1)}}{\left(\frac{1}{x}\right)^{(1)}} = f(x) - x\,f'(x) = f^{\square}(x)\Bigg|_{x=x_0} \tag{6}$$

$$-\frac{b}{a} = \tan\alpha = f'(x_0) \tag{7}$$