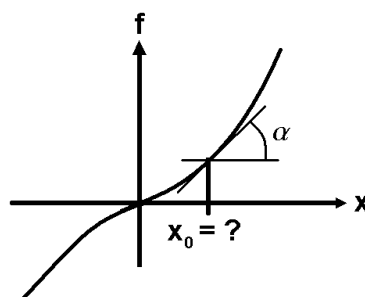


Übungen in Analysis \diamond Exercices en analyse \diamond T. B2 \diamond I / 16

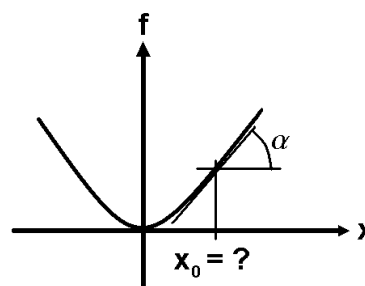
Probl. 1 $\alpha = 80^\circ$ $f(x) = x^3$

$x_0 = ?$



Probl. 2 $f(x) = x^4$

$\alpha(x_0) = \alpha(1)$



Probl. 3 $f(x) = k \cdot x^n$, $n \in \mathbb{N}$

$f'(x) = ?$

Probl. 4 $f(x) = f_1(x) + f_2(x)$
 f_1, f_2 bekannt • *données*

$f'(x) = ?$

Probl. 5 $f(x) = 3x^7 + 9x^4 + 2$

$f'(x) = ?$