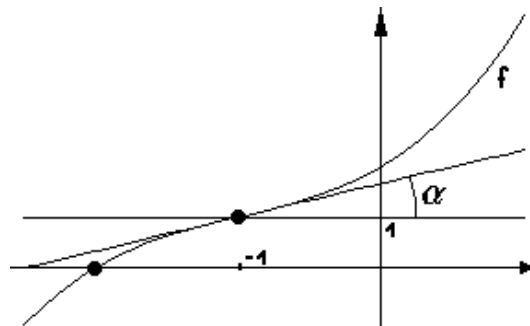


# Übungen in Analysis $\diamond$ Exercices en Analyse $\diamond$ T. B2 $\diamond$ II / 4

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- Probl. 1**  $f(x) = ax^3 + bx^2 + cx + d$ ,  
 $f(-2) = 0$ ,  $f'(-1) = 0.5$   
 $f''(-1) = 0$ ,  $f(-1) = 1$ ,  
 $\tan(\alpha) = 0.5$ ,  
 $f'(0) = ?$ ,  $f(1) = ?$ ,  $f(2) = ?$



- Probl. 2**  $f(x) = a e^{-x^2}$ ,  $f(0) = 2$ ,  $a = ?$   
 $f'(x) = 0$ ,  $x = ?$   
 $f''(x) = 0$ ,  $x = ?$   
 Skizze? • *Esquisse?*