Lösung A1

$f_1(x) = 5 \cdot g_1(x)$	$f_1'(x) = 5 \cdot g_1{}'(x)$	$f_2(x) = 0{,}255 \cdot g_2(x)$	$f_2'(x) = 0{,}25 \cdot g_2{}'(x)$
$f_3(x) = 10^5 \cdot g_3(x)$	$f_3'(x) = 10^5 \cdot g_3'(x)$	$f_4(x) = a \cdot g_4(x)$	$f_4'(x) = a \cdot g_4'(x)$
$f_5(x) = b^{-1} \cdot g_5(x)$	$f_5'(x) = b^{-1} \cdot g_5'(x)$	$f_6(t) = \sqrt{2} \cdot g_6(t)$	$f_6'(t) = \sqrt{2} \cdot g_6'(t)$
$f_7(t) = 125x \cdot g_7(t)$	$f_7'(t) = 125x \cdot g_7'(t)$		

Lösung A2

$f_1(x) = \frac{1}{2}x + \frac{1}{3}x + \frac{1}{4}x$	$f_1(x) = \frac{13}{12}x$	$f_1'(x) = \frac{13}{12}$
$f_2(x) = 5(x^2 + 5) - 2x^2$	$f_2(x) = 3x^2 + 25$	$f_2{}'(x) = 6x$
$f_3(x) = 21(t - x)(t + x)$	$f_3(x) = 21t^2 - 21x^2$	$f_3'(x) = -42x$
$f_4(x) = \frac{1}{3}x^3 + \frac{5}{3}x^3$	$f_4(x) = 2x^3$	$f_4'(x) = 6x^2$
$f_5(x) = (3 - 6)x^5 + 2x^5$	$f_5(x) = -x^5$	$f_5'(x) = -5x^4$
$f_6(t) = 3 \cdot 5 \cdot t^2 \cdot t^3 + t^5$	$f_6(t) = 16t^5$	$f_6'(t) = 80t^4$
$f_7(t) = \frac{3t^4 \cdot 2t^2 \cdot 1}{7}$	$f_7(t) = \frac{6}{7}t^6$	$f_7'(t) = \frac{36}{7}t^5$

Lösung A3

$f_1(x) = x^9$	$f_1'(x) = 9x^8$	$f_1''(x) = 72x^7$
$f_2(x) = 2x^5$	$f_2{}'(x) = 10x^4$	$f_2''(x) = 40x^3$
$f_3(x) = \frac{5}{3}x^{15}$	$f_3'(x) = 25x^{14}$	$f_3''(x) = 350x^{13}$
$f_4(x) = ax^5$	$f_4'(x) = 5ax^4$	$f_4''(x) = 20ax^3$
$f_5(x) = \frac{1}{b} \cdot x^6$	$f_5'(x) = \frac{6}{b}x^5$	$f_5''(x) = \frac{30}{b}x^4$
$f_6(t) = e^2(1 + t^3)$	$f_6'(t) = 3e^2t^2$	$f_6''(t) = 6e^2t$
$f_7(t) = \frac{125}{x}t^3$	$f_7'(t) = \frac{375}{x}t^2$	$f_7''(t) = \frac{750}{x}t$