Lösung zu komplexeren Stammfunktionen

$f(x) = (4x - 5)^7$	$F(x) = \frac{1}{32} \cdot (4x - 5)^8$
$f(x) = 3 \cdot (5 - 2x)^6$	$F(x) = - \frac{3}{14} \cdot (5 - 2x)^7$
$f(x) = (-2) \cdot (8x + 9)^2$	$F(x) = \frac{-2}{24} \cdot (8x + 9)^3 = \frac{-1}{12} \cdot (8x + 9)^3$
$f(x) = (6x + 3)^{-2}$	$F(x) = \frac{-1}{6} \cdot (6x + 3)^{-1}$
$f(x) = \frac{1}{(9x-1)^4} = (9x - 1)^{-4}$	$F(x) = \frac{-1}{27} \cdot (9x - 1)^{-3}$
$f(x) = \frac{4}{(1-4x)^5} = 4 \cdot (1 - 4x)^{-5}$	$F(x) = \frac{4}{16} \cdot (1 - 4x)^{-4} = \frac{1}{4} \cdot (1 - 4x)^{-4} =$
$f(x) = 4 \cdot (9x + 2)^{-4}$	$F(x) = \frac{4}{-27} \cdot (9x + 2)^{-3}$
$f(x) = \sqrt{3x + 1} = (3x + 1)^{\frac{1}{2}}$	$F(x) = \frac{2}{9} \cdot (3x + 1)^{\frac{3}{2}}$
$f(x) = \sqrt[3]{4x + 9} = (4x + 9)^{\frac{1}{3}}$	$F(x) = \frac{3}{16} \cdot (4x + 9)^{\frac{4}{3}}$
$f(x) = \frac{1}{\sqrt[3]{8x+1}} = (8x + 1)^{\frac{-1}{3}}$	$F(x) = \frac{3}{16} \cdot (8x + 1)^{\frac{2}{3}}$
$f(x) = e^{5x}$	$F(x) = \frac{e^{5x}}{5}$
$f(x) = 3 \cdot e^{-7x}$	$F(x) = 3 \cdot \frac{e^{7x}}{7}$
$f(x) = \frac{1}{e^x} = e^{-x}$	$F(x) = - e^{-x}$
$f(x) = (-0,5) \cdot e^{x+3}$	$F(x) = (-0,5) \cdot e^{x+3}$
$f(x) = 4 \cdot e^{4x-3} + 3x$	$F(x) = e^{4x-3} + 1,5\, x^2$
$f(x) = 1 + e^{0,5x}$	$F(x) = x + e^{0,5x}$
$f(x) = e^{-3x} \cdot 9$	$F(x) = -3\, e^{-3x}$
$f(x) = 0,5 \cdot e^{-6x-3} + 0,5 \cdot e^{8x-1}$	$F(x) = \frac{-1}{12} \cdot e^{-6x-3} + = \frac{1}{16} \cdot e^{8x-1}$
$f(x) = e^{-x+4} - (3x + 1)^6$	$F(x) = -e^{-x+4} - \frac{1}{27} (3x + 1)^7$
$f(x) = \frac{2}{e} \cdot e^{-7x}$	$F(x) = \frac{2}{-7e} \cdot e^{-7x}$