

Flächeninhaltsfunktion

	$f(x)$	Flächenfunktion $F(x)$
1.	$f(x) = x + 1$	$F(x) = 0,5x^2 + x$
2.	$f(x) = -2x + 5$	$F(x) = -x^2 + 5x$
3.	$f(x) = 3x + 2$	$F(x) = \frac{3}{2}x^2 + 2x$
4.	$f(x) = 4x - 6$	$F(x) = 2x^2 - 6x$
5.	$f(x) = -4x - 4$	$F(x) = -2x^2 - 4x$
6.	$f(x) = 4x$	$F(x) = 2x^2$
7.	$f(x) = 6$	$F(x) = 6x$
8.	$f(x) = -x^2 + 4x + 5$	$F(x) = -\frac{1}{3}x^3 + 2x^2 + 5x$
9.	$f(x) = 6x^2 - 6x$	$F(x) = 2x^3 + 3x^2$
10.	$f(x) = -x^2 + 2x + 1$	$F(x) = -\frac{1}{3}x^3 + x^2 + 1x$
11.	$f(x) = 9x^2 - 8x + 2$	$F(x) = 3x^3 - 4x^2 + 2x$
12.	$f(x) = -3x^2 + 2$	$F(x) = -x^3 + 2x$
13.	$f(x) = 3x^2 + 4x - 3$	$F(x) = x^3 + 2x^2 - 3x$
14.	$f(x) = 2x^3 + 6x^2 - 2x - 1$	$F(x) = \frac{1}{2}x^4 + 2x^3 - x^2 - x$
15.	$f(x) = x^3 - 6x^2 + x + 7$	$F(x) = \frac{1}{4}x^4 - 2x^3 + \frac{1}{2}x^2 + 7x$
16.	$f(x) = 6x^3 - 9x^2 + 8x + 9$	$F(x) = \frac{3}{2}x^4 - 3x^3 + 4x^2 + 9x$
17.	$f(x) = -10x^3 + 6x^2 + 6x + 1$	$F(x) = -\frac{5}{2}x^4 - 2x^3 + 3x^2 + x$
18.	$f(x) = -8x^3 - 9x^2 + 8x + 9$	$F(x) = -2x^4 - 3x^3 + 4x^2 + 9x$
19.	$f(x) = x^3 - x^2 + x + 1$	$F(x) = \frac{1}{4}x^4 - \frac{1}{3}x^3 + \frac{1}{2}x^2 + x$