Opgavenblad

Opgave	Functie	Primitieve	Letter
1	$f(x) = x^3 - 3x$		
2	$f(x) = 3^x + x^3$		
3	$f(x) = e^{x+1}$		
4	$f(x) = \frac{x^4 - 6}{2x^3}$		
5	$f(x) = (2x - 1)^2$		
6	$f(x) = 3\sin(x) + 3$		
7	$f(x) = \frac{-x^2 + 2x + 3}{x^4}$		
8	$f(x) = 5e^x$		
9	$f(x) = \frac{8}{x^3}$		
10	$f(x) = \frac{x^3 - 6}{x^4}$		
11	$f(x) = \cos(x) - 2x + 6$		
12	$f(x) = \frac{3}{x} + 5$		

7	5	3	12	8	2	11	1	9	4	6	10

Antwoordblad

Opgave	Functie	Primitieve	Letter
1	$f(x) = x^3 - 3x$	$F(x) = \frac{1}{4}x^4 - 1\frac{1}{2}x^2 + C$	v
2	$f(x) = 3^x + x^3$	$F(x) = \frac{3^x}{\ln(3)} + \frac{1}{4}x^4 + C$	t
3	$f(x) = e^{x+1}$	$F(x) = e^{x+1} + C$	i
4	$f(x) = \frac{x^4 - 6}{2x^3}$	$F(x) = \frac{1}{4}x^2 + \frac{3}{2x^2} + C$	r
5	$f(x) = (2x - 1)^2$	$F(x) = \frac{4}{3}x^3 - 2x^2 + x + C$	r
6	$f(x) = 3\sin(x) + 3$	$F(x) = -3\cos(x) + 3x + C$	e
7	$f(x) = \frac{-x^2 + 2x + 3}{x^4}$	$F(x) = \frac{1}{x} - \frac{1}{x^2} - \frac{1}{x^3} + C$	p
8	$f(x) = 5e^x$	$F(x) = 5e^x + C$	i
9	$f(x) = \frac{8}{x^3}$	$F(x) = -\frac{4}{x^2} + C$	e
10	$f(x) = \frac{x^3 - 6}{x^4}$	$F(x) = \ln\lvert x\rvert + \frac{2}{x^3} + C$	n
11	$f(x) = \cos(x) - 2x + 6$	$F(x) = \sin(x) - x^2 + 6x + C$	i
12	$f(x) = \frac{3}{x} + 5$	$F(x) = 2\ln\lvert x\rvert + 5x + C$	m

7	5	3	12	8	2	11	1	9	4	6	10
p	r	i	m	i	t	i	v	e	r	e	n