

Opgavenblad

Opgave	Differentieer	Kleur	Nummer
1	$f(x) = 1,2x^3 - 0,8x^2 - 3x + 5$		
2	$g(p) = p(3p + 1)^2$		
3	$h(x) = (x^2 - 8x + 3)(2x - 6)$		
4	$f(x) = \frac{6x - 8}{3x + 2}$		
5	$g(x) = 2ax^3 - 3ax + 2a$		
6	$h(x) = 2\pi x^2 + 3x - \pi^2$		
7	$k(x) = x^3 - \frac{2}{x + 2}$		
8	$T(p) = (2p + 3)^2$		
9	$g(x) = \frac{x^2 - 3x}{x + 8}$		

Antwoordblad

Opgave	Differentieer	Kleur	Nummer	Antwoord
1	$f(x) = 1,2x^3 - 0,8x^2 - 3x + 5$		1	$f'(x) = 3,6x^2 - 1,6x - 3$
2	$g(p) = p(3p + 1)^2$		10	$g'(p) = 27p^2 + 12p + 1$
3	$h(x) = (x^2 - 8x + 3)(2x - 6)$		3	$h'(x) = 6x^2 - 44x + 54$
4	$f(x) = \frac{6x - 8}{3x + 2}$		5	$f'(x) = \frac{36}{(3x + 2)^2}$
5	$g(x) = 2ax^3 - 3ax + 2a$		2	$g'(x) = 6ax^2 - 3a$
6	$h(x) = 2\pi x^2 + 3x - \pi^2$		8	$h'(x) = 4\pi x + 3$
7	$k(x) = x^3 - \frac{2}{x + 2}$		9	$k'(x) = 3x^2 + \frac{2}{(x + 2)^2}$
8	$T(p) = (2p + 3)^2$		13	$T'(p) = 8p + 12$
9	$g(x) = \frac{x^2 - 3x}{x + 8}$		4	$g'(x) = \frac{x^2 + 16x - 24}{(x + 8)^2}$

[illegible]

