

Opgavenblad

Opgave	Los exact op	Kleur	Nummer	Antwoord
1	${}^3\log(3x - 5) + \frac{1}{3}\log(x - 1) = 0$			
2	${}^5\log(3x) + 2 \cdot \frac{1}{5}\log(x) = 0$			
3	$2x \cdot \frac{1}{3}\log(3x + 5) = \frac{1}{3}\log(3x + 5)$			
4	${}^2\log(x) = {}^4\log(x + 20)$			
5	$-2 \cdot \frac{1}{2}\log(x) = x + {}^2\log(3 - x)$			
6	${}^9\log(2x) = {}^3\log(x - 4)$			
7	$4x \cdot {}^4\log(2x - 1) + 3 \cdot {}^4\log(2x - 1) = 0$			
8	$x^2 \cdot {}^5\log(2x + 1) + 9 \cdot \frac{1}{5}\log(2x + 1) = 0$			
9	${}^2\log^2(x) = 2 \cdot {}^2\log(x) + 3$			
10	$\frac{1}{2}\log^2(x + 2) + 3 \cdot \frac{1}{2}\log(x + 2) = 0$			
11	$2 \cdot {}^3\log^2(x) + 2 = 5 \cdot {}^3\log(x)$			
12	${}^5\log^2(x) + 3 \cdot \frac{1}{5}\log(x) + 2 = 0$			

Antwoordblad

Opgave	Los exact op	Kleur	Nummer	Antwoord
1	${}^3\log(3x - 5) + \frac{1}{3}\log(x - 1) = 0$		3	$x = 2$
2	${}^5\log(3x) + 2 \cdot \frac{1}{5}\log(x) = 0$		5	$x = 0 \vee x = 3$ v.n.
3	$2x \cdot \frac{1}{3}\log(3x + 5) = \frac{1}{3}\log(3x + 5)$		7	$x = -1\frac{1}{3} \vee x = \frac{1}{2}$
4	${}^2\log(x) = {}^4\log(x + 20)$		8	$x = -4 \vee x = 5$ v.n.
5	$-2 \cdot \frac{1}{2}\log(x) = x + {}^2\log(3 - x)$		9	$x = -6 \vee x = 2$ v.n.
6	${}^9\log(2x) = {}^3\log(x - 4)$		4	$x = 2 \vee x = 8$ v.n.
7	$4x \cdot {}^4\log(2x - 1) + 3 \cdot {}^4\log(2x - 1) = 0$		2	$x = -\frac{3}{4} \vee x = 1$ v.n.
8	$x^2 \cdot {}^5\log(2x + 1) + 9 \cdot \frac{1}{5}\log(2x + 1) = 0$		10	$x = 3 \vee x = 0 \vee$ $x = -3$ v.n.
9	${}^2\log^2(x) = 2 \cdot {}^2\log(x) + 3$		6	$x = \frac{1}{2} \vee x = 8$
10	$\frac{1}{2}\log^2(x + 2) + 3 \cdot \frac{1}{2}\log(x + 2) = 0$		11	$x = -1 \vee x = 6$
11	$2 \cdot {}^3\log^2(x) + 2 = 5 \cdot {}^3\log(x)$		15	$x = 9 \vee x = \sqrt{3}$
12	${}^5\log^2(x) + 3 \cdot \frac{1}{5}\log(x) + 2 = 0$		14	$x = 5 \vee x = 25$

[illegible]

