Domini di funzioni logaritmiche

1	$y = 2 - \log(4 - x)$	$x < 4$
2	$y = \log^2_{\frac{1}{2}}(x - 3) + \log_{\frac{1}{2}} x - 2$	$x > 3$
3	$y = \log_3(x + 2) - 2\log_3(x - 2)$	$x > 2$
4	$y = \log[x(3 - x)] + 4$	$0 < x < 3$
5	$y = \log_4(x - 1) + 3\log_4(2 - x)$	$1 < x < 2$
6	$y = \log(4x^3 + 48x - 10x^2) + \log(x - 2)$	$x > 2$
7	$y = \log_3(x - 1) + \log_{\frac{1}{3}}(x^3 - 6x^2 + 8x)$	$1 < x < 2 \cup x > 4$
8	$y = \log_2 \dfrac{x - 4}{x + 1}$	$x < -1 \cup x > 4$
9	$y = \log(x^3 - 8)$	$x > 2$
10	$y = \log(\sqrt{x} + 1) + 5\log x$	$x > 0$
11	$y = \log \dfrac{x}{\sqrt{x - 3}}$	$x > 3$
12	$y = 1 - \dfrac{2}{\log_2 x}$	$x > 0 \cap x \neq 1$
13	$y = \dfrac{x + 1}{\log_2 x^2 - 1}$	$x \neq 0, \pm\sqrt{2}$
14	$y = \dfrac{\ln x}{\ln \sqrt{x - 1}}$	$x > 1 \cap x \neq 2$
15	$y = \sqrt{\log \dfrac{x}{x - 5}}$	$x > 5$
16	$y = \log \log_2(x^2 - 3x + 3)$	$x < 1 \cup x > 2$
17	$y = \log \sqrt{\log x} + \log_2(2 - x)$	$1 < x < 2$

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18	$y = ln\left(\sqrt[3]{x^3 - x} - |x|\right)$	$-\dfrac{\sqrt{2}}{2} < x < 0$
19	$y = log(4 - |x|) + log|x^2 - 1|$	$-4 < x < 4 \ \cap \ x \neq \pm 1$
20	$y = ln\,x + \dfrac{ln|x|}{|ln\,x|} + ln^2 x + |1 - ln\,x|$	$x > 0 \cap x \neq 1$
21	$y = \dfrac{1}{\sqrt{log\,x^2 + 2}} + \dfrac{x}{|1 - log\,x|}$	$x > \dfrac{1}{10} \cap x \neq 10$
22	$y = log\left(\left|\dfrac{2x - 6}{3}\right| - 4\right)$	$x < -3 \cup x > 9$
23	$y = \dfrac{ln\left(x - \sqrt{x^2 - x}\right)}{ln(x - 3)} + ln\dfrac{x - 3}{x + 2}$	$x > 3 \cap x \neq 4$
24	$y = log_3\left(\sqrt[3]{|x + 8|} - 1\right)$	$x < -9 \cup x > -7$
25	$y = log(2^{2x} - 2) + log(2^x - 4)$	$x > 2$
26	$y = ln(3^{x-2} - 81)$	$x > 6$
27	$y = log_6 log_{\frac{1}{3}} x^2 + \dfrac{\sqrt{9^x - 3}}{log_3 \sqrt{|x|}}$	$\dfrac{1}{2} \leq x < 1$
28	$y = ln(|x + 1| - |x - 1|) + \sqrt{\dfrac{ln\,x}{ln\,x - 1}}$	$0 < x \leq 1 \cup x > e$
29	$y = \dfrac{1}{log_2 log_3(x - 1)} + log_2\left(2^{\sqrt{x^2-4}}\right)$	$x > 2$
30	$y = \sqrt{\dfrac{3^x - 2}{log_3 x}} - \dfrac{\sqrt{log_{\frac{1}{3}}|x|}}{log_2(3 - 2x)}$	$0 < x \leq log_3 2$
32	$y = 1 - log\,x$	$x > 0$
33	$y = log(3x - 1) + 2log(x + 1)$	$x > \dfrac{1}{3}$
34	$y = log_x 2$	$x > 0 \wedge x \neq 1$
35	$y = log_2(x^2 - 4)$	$x < -2; \ \ x > 2$

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36	$y = \log_{\frac{1}{2}}(3 - x^2)$	$-\sqrt{3} < x < \sqrt{3}$
37	$y = \log_5 x^2$	$x \neq 0$
38	$y = \log \sqrt{x}$	$x > 0$
39	$y = \log(x^2 + 2x)$	$x < -2; \ x > 0$
40	$y = \log_2 \log_3 \log_4 x$	$x > 4$
41	$y = \log_{x^2 - 2x + 1} 4$	$\mathbb{R} - \{0,1,2\}$
42	$y = \log \dfrac{1}{x^2 + 1}$	$\mathbb{R}$
43	$y = \log \dfrac{2 + x}{2 - x}$	$-2 < x < 2$
44	$y = \dfrac{\log(1 + x)}{x - 1}$	$-1 < x < 1; \ x > 1$
45	$y = \log(3x^2 - 4x - 7)$	$x < -1; \ x > \dfrac{7}{3}$
46	$y = \log \sqrt[3]{x^2 - x - 2}$	$x < -1; \ x > 2$
47	$y = \log \dfrac{1}{x^2 - 1}$	$x < -1; \ x > 1$
48	$y = \log \sqrt{(x^2 + 1)(x^2 - x + 1)}$	$\mathbb{R}$
49	$y = \log \operatorname{sen} x$	$2k\pi < x < \pi + 2k\pi$
50	$y = \log \cos 2x$	$-\dfrac{\pi}{4} + k\pi < x < \dfrac{\pi}{4} + k\pi$
51	$y = \log tg x$	$k\pi < x < \dfrac{\pi}{2} + k\pi$
52	$y = \log |\operatorname{sen} x|$	$x \neq k\pi$