Logarithmus

Bestimme die Lösung der Exponentialgleichung				Lösung	
1)	$4^x =$	0,5	x = _____	x =	-0,5
2)	$4^x =$	256	x = _____	x =	4
3)	$0{,}1^x =$	10000	x = _____	x =	-4
4)	$3^x =$	729	x = _____	x =	6
5)	$0{,}3^x =$	0,09	x = _____	x =	2
6)	$0{,}1^x =$	0,001	x = _____	x =	3
7)	$0{,}25^x =$	16	x = _____	x =	-2
8)	$5^x =$	625	x = _____	x =	4
9)	$2^x =$	32	x = _____	x =	5
10)	$7^x =$	1	x = _____	x =	0
11)	$3^x =$	27	x = _____	x =	3
12)	$25^x =$	5	x = _____	x =	0,5
13)	$0{,}2^x =$	5	x = _____	x =	-1
14)	$12^x =$	144	x = _____	x =	2
15)	$5^x =$	$\sqrt{5}$	x = _____	x =	0,5
16)	$4^x =$	16	x = _____	x =	2
17)	$2^x =$	0,25	x = _____	x =	-2
18)	$0{,}25^x =$	2	x = _____	x =	-0,5
19)	$9^x =$	$\sqrt{3}$	x = _____	x =	0,25
20)	$0{,}1^x =$	1000	x = _____	x =	-3
21)	$4^x =$	64	x = _____	x =	3
22)	$3^x =$	81	x = _____	x =	4

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