

NAMA :

KELAS :

MATEMATIK TINGKATAN 3

HUKUM INDEKS

1 $\square \cdot a^0 = \square$

2 $\square \cdot a^{\square} = \frac{1}{a^n} ; a \neq 0$

3 $\square \cdot (a^x)^y = a^{\square}$

4 $\square \cdot a^x \square a^y = a^{x+y}$

5 $\square \cdot a^x \div a^y = a^{\square}$

6 $\square \cdot (a^x \times b^y)^z = a^{\square} \times b^{\square}$

7 $\square \cdot (a^x \div b^y)^z = \square^{xz} \div b^{yz}$

8 $a^{\frac{m}{n}} = (a^{\square})^{\frac{1}{n}} @ (a^{\frac{1}{n}})^m$

9 $\square \cdot a^{\frac{m}{n}} = \square \sqrt[n]{a^m} @ (\sqrt[n]{a})^m$

JADUAL INDEKS

n	2	3	4	5	6	7	8	9	10
2		8	16	32	64		256	512	1024
3	9	27		243	729	2187			
4	16	64	256		4096				
5	25		625	3125					
6		216	1296						
7	49	343							
8	64		4096						
9	81	729	6561						
10		1000	10000	100000					
11	121	1331							
12	144								