

LATIHAN 2 LOGARITMA

SIFAT LOGARITMA 1-5

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Perhatikan petunjuk pengerjaan setiap soal dengan seksama

Soal 01

Buatlah garis ke arah kanan pada jawaban yang menurutmu paling tepat

SOAL		JAWABAN
${}^6\log 6^{-4}$	=	$\frac{10}{6}$
${}^3\log 3^5$	=	5
${}^{7^6}\log 7^{10}$	=	-4
${}^5\log 5$	=	2
$\log 10^2$	=	0
${}^{15}\log 1$	=	1
${}^{3^{10}}\log 3^6$	=	$-\frac{1}{4}$
${}^{11^{-4}}\log 11$	=	$\frac{1}{2}$
${}^{4^5}\log 4$	=	$\frac{1}{5}$
${}^{10^2}\log 10$	=	$\frac{6}{10}$

Soal 02

- Buatlah garis dari kolom **soal** ke arah kolom **jawaban** yang menurutmu paling tepat
- Input jawaban akhir pada kolom **jawaban akhir**

SOAL		JAWABAN		JAWABAN AKHIR
${}^3\log 81$	=	$2^4\log 2$	➡	/
${}^{16}\log 2$	=	${}^5\log 5^{-1}$	➡	
${}^5\log \frac{1}{5}$	=	${}^3\log 3^4$	➡	
$\log \sqrt{10}$	=	$\log 10^{\frac{1}{2}}$	➡	/
$\log 100$	=	$2^{-1}\log 2^3$	➡	
$\frac{1}{27}\log 3$	=	$\log 10^2$	➡	
$\frac{1}{2}\log 8$	=	$2^{-1}\log 2^4$	➡	
$\frac{1}{2}\log 16$	=	$3^{-3}\log 3$	➡	/

Soal 03

Isilah titik-titik berikut dengan drag-drop jawaban yang menurutmu benar

SOAL	PILIHAN JAWABAN				
${}^{25}\log 27 = {}^{5^2}\log 3^3 = \frac{3}{2} {}^5\log 3$	➔ CONTOH				
${}^{5^3}\log 3^{-12} =$		=		=	${}^6\log 2^{\frac{3}{2}}$ $-\frac{1}{4} {}^5\log 3$
${}^{81}\log 2 =$		=		=	$\frac{2}{3} {}^6\log 2$ $\frac{1}{4} {}^3\log 2$
${}^6\log \sqrt{8} =$		=		=	$3^4\log 2$ $\frac{3}{2} {}^6\log 2$
${}^3\log 16 =$		=		=	$-4 {}^5\log 3$ $4 {}^3\log 2$
${}^{125}\log 3 =$		=		=	${}^5\log 3$ $\frac{-12}{3} {}^5\log 3$
${}^{5^{-12}}\log 3^3 =$		=		=	$\frac{3}{-12} {}^5\log 3$ ${}^6\log 2^{\frac{2}{3}}$
${}^6\log \sqrt[3]{4} =$		=		=	${}^3\log 2^4$ $\frac{1}{3} {}^5\log 3$