

LATIHAN 3 LOGARITMA

SIFAT LOGARITMA 6-8

DEFINISI LOGARITMA

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Perhatikan petunjuk pengerjaan setiap soal dengan seksama

Soal

Isilah titik-titik berikut dengan jawaban yang menurutmu benar. Jawaban hanya berupa angka atau tanda operasi aljabar

${}^5 \log 100$	$= \quad \dots \log(4 \quad \square \quad \dots)$
	$= \quad \dots \log \dots \quad \square \quad \dots \log \dots$
	$= \quad \dots \log \dots \quad \square \quad \dots$
	$= \quad \dots \quad \square \quad \dots \log \dots$
${}^6 \log 4 + {}^6 \log 9$	$= \quad \dots \log(\dots \quad \square \quad \dots)$
	$= \quad \dots \log \dots$
	$= \quad \dots$
${}^7 \log 70 - {}^7 \log 10$	$= \quad \dots \log(\dots \quad \square \quad \dots)$
	$= \quad \dots \log \dots$
	$= \quad \dots$

${}^6\log 42 - {}^6\log 7 + {}^6\log 12 - {}^6\log 2$	$=$	${}^{\dots}\log \frac{\dots \boxed{} \dots}{\dots \boxed{} \dots}$
	$=$	${}^{\dots}\log \dots$
	$=$	$\dots$
${}^3\log 162 + \log 40 - {}^3\log 2 - \log 4$	$=$	${}^3\log \dots - {}^{\dots}\log 2 + \log \dots - \log \dots$
	$=$	${}^{\dots}\log(\dots \boxed{} \dots) \boxed{} \log(\dots \boxed{} \dots)$
	$=$	${}^{\dots}\log \dots \boxed{} {}^{\dots}\log \dots$
	$=$	$\dots \boxed{} \dots$
	$=$	$\dots$
${}^6\log 4 \cdot {}^4\log \sqrt{6}$	$=$	${}^{\dots}\log \sqrt{\dots}$
	$=$	$\frac{\dots}{\dots}$
${}^{27}\log 2 \cdot {}^{16}\log 9$	$=$	${}^{\dots\dots}\log \dots \times {}^{\dots\dots}\log \dots$
	$=$	$\frac{\dots \boxed{} \dots}{\dots \boxed{} \dots}$
	$=$	$\frac{\dots}{\dots}$
${}^7\log 4 \cdot {}^{64}\log \frac{1}{49}$	$=$	${}^{\dots\dots}\log 4 \times {}^{\dots\dots}\log \dots$
	$=$	$\frac{\dots \boxed{} \dots}{\dots \boxed{} \dots}$
	$=$	$-\frac{\dots}{\dots}$