



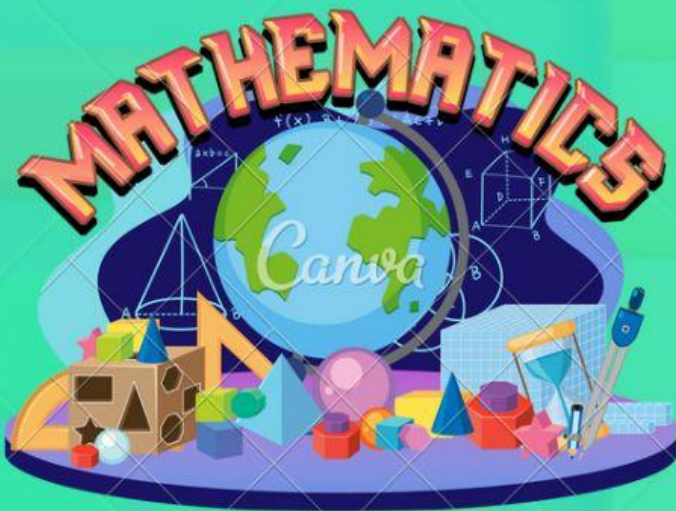
SMK Negeri Kare

Ulangan harian

Materi

Bilangan Real & Nilai Mutlak

Matematika
kelas X



Nama:

.....

No. absen:

.....

Created by:
Mar atus Sholihah, S.Pd

KERJAKAN SOAL DI BAWAH INI DENGAN TEPAT

1. Bentuk sederhana dari $\frac{a^{10}b^{-6}c^9}{a^4b^{-2}c^{15}}$ adalah.....

A. $a^6b^{-4}c^{-6}$

B. $a^{-6}b^{-4}c^{-6}$

C. $a^6b^{-4}c^6$

D. $a^6b^4c^{-6}$

E. $a^6b^4c^6$



2. Nilai dari $\sqrt{27} - \sqrt{243} + \sqrt{48} - \sqrt{147}$ adalah.....

$$= \sqrt{\dots\dots\dots} - \sqrt{\dots\dots\dots} + \sqrt{\dots\dots\dots} - \sqrt{\dots\dots\dots}$$

$$= \dots\dots\dots \sqrt{\dots\dots\dots} - \dots\dots\dots \sqrt{\dots\dots\dots} + \dots\dots\dots \sqrt{\dots\dots\dots} - \dots\dots\dots \sqrt{\dots\dots\dots}$$

$$= (\dots\dots\dots - \dots\dots\dots + \dots\dots\dots - \dots\dots\dots) \sqrt{\dots\dots\dots}$$

$$= \dots\dots\dots \sqrt{\dots\dots\dots}$$

5. Nilai dari ${}^3\log 25 \cdot {}^5\log 3 \cdot {}^3\log 243$ adalah....

$$= {}^3\log \dots\dots\dots \cdot {}^5\log \dots\dots\dots \cdot {}^3\log \dots\dots\dots$$

$$= \dots\dots\dots {}^3\log \dots\dots\dots$$

$$= \dots\dots\dots {}^3\log \dots\dots\dots$$

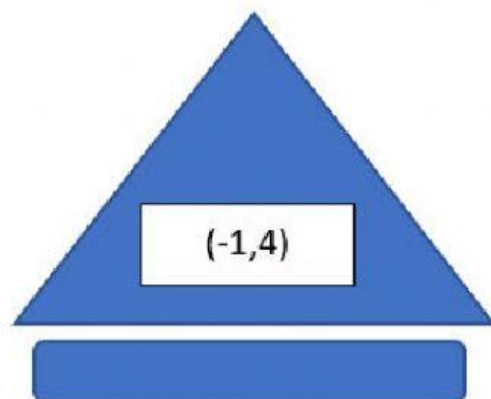
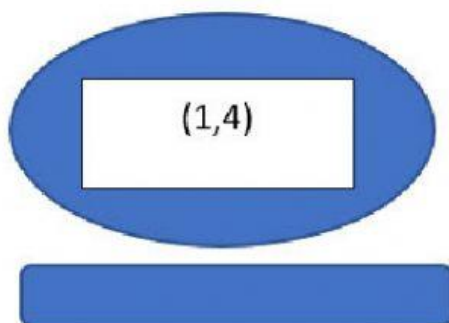
$$= \dots\dots\dots {}^3\log \dots\dots\dots$$

$$= \dots\dots\dots$$

$$= \dots\dots\dots$$



6. Nilai dari $|2x - 5| + 4 = 1$ adalah.....



7. Nilai dari $|5 - 5x| - 8 = 27$ adalah.....

$$|5 - 5x| - 8 = 27$$

$$|5 - 5x| = 27 \dots\dots\dots$$

$$|5 - 5x| = \dots\dots\dots$$

$$* \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots = \dots\dots\dots$$

$$= \frac{\dots\dots\dots}{\dots\dots\dots}$$

$$x_1 = \dots\dots\dots$$

$$** \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots = \dots\dots\dots$$

$$= \frac{\dots\dots\dots}{\dots\dots\dots}$$

$$x_2 = \dots\dots\dots$$

8. pasangkan nilai akar dengan bentuk sederhananya !

$$\sqrt{27}$$

$$\sqrt{243}$$

$$\sqrt{48}$$

$$\sqrt{147}$$

$$4\sqrt{3}$$

$$3\sqrt{3}$$

$$7\sqrt{3}$$

$$9\sqrt{3}$$



Selamat mengerjakan
semoga sukses

