

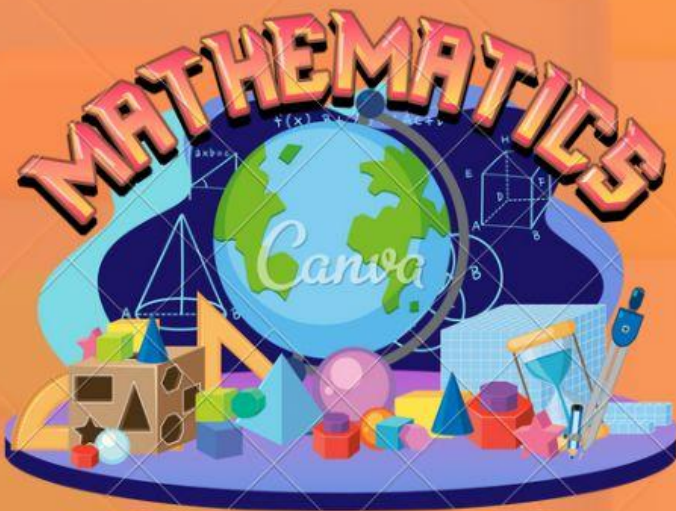


Ulangan harian

Materi

Bilangan Real & Nilai Mutlak

Matematika
kelas X



Nama:

.....

No. absen:

.....

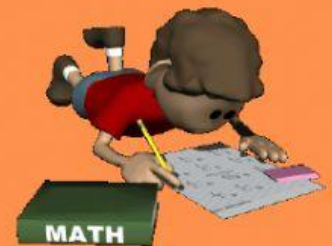
Created by:

Mar atus Sholihah, S.Pd

KERJAKAN SOAL DI BAWAH INI DENGAN TEPAT

1. Bentuk sederhana dari $\frac{a^{10}b^{-6}c^9}{a^{16}b^{-2}c^{15}}$ 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 $\sqrt{27} - \sqrt{243} + \sqrt{48} + 2\sqrt{147}$ adalah.....

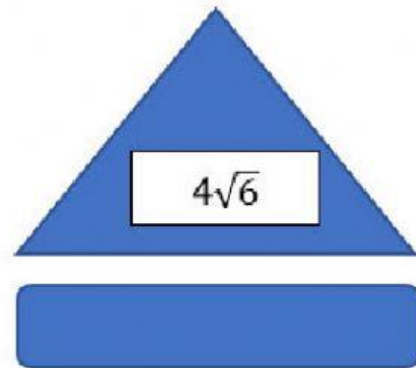
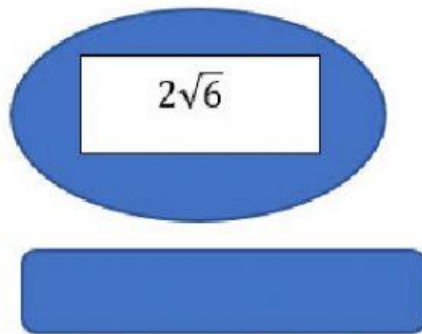
$$= \sqrt{\dots\dots\dots} - \sqrt{\dots\dots\dots} + \sqrt{\dots\dots\dots} - \dots\dots\dots \sqrt{\dots\dots\dots}$$

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

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

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

3. Hasil dari $\frac{16\sqrt{3}}{2\sqrt{2}}$ adalah.....



4. Nilai dari ${}^5\log 10 + {}^5\log 125 - {}^5\log 10$ adalah....

$$= {}^5\log \dots + {}^5\log \dots - {}^5\log \dots$$

$$= {}^5\log \left(\frac{\dots}{\dots} \right)$$

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

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

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

$$= \dots$$

$$= \dots$$

5. Nilai dari ${}^7\log 25 \cdot {}^5\log 3 \cdot {}^3\log 343$ adalah....

$$= {}^7\log \dots\dots\dots \cdot {}^5\log \dots\dots\dots \cdot {}^3\log \dots\dots\dots$$

$$= \dots\dots\dots {}^7\log \dots\dots\dots$$

$$= \dots\dots\dots {}^7\log \dots\dots\dots$$

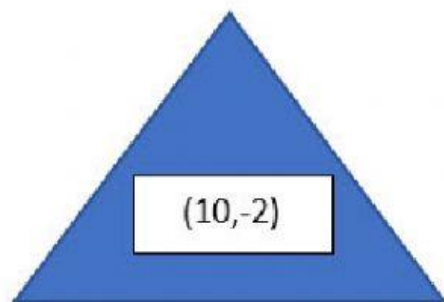
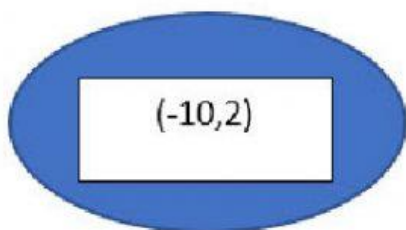
$$= \dots\dots\dots {}^7\log \dots\dots\dots$$

$$= \dots\dots\dots$$

$$= \dots\dots\dots$$



6. Nilai dari $|x - 4| + 6 = 12$ adalah.....



7. Nilai dari $|6 - 3x| - 1 = 14$ adalah.....

$$|6 - 3x| - 1 = 14$$

$$|6 - 3x| = 14.....$$

$$|6 - 3x| =$$

$$* =$$

$$..... =$$

$$..... =$$

$$..... = \frac{.....}{.....}$$

$$x_1 =$$

$$** =$$

$$..... =$$

$$..... =$$

$$..... = \frac{.....}{.....}$$

$$x_2 =$$

8. Pasangkan nilai akar dengan bentuk sederhananya !

$$\sqrt{18}$$

$$\sqrt{125}$$

$$\sqrt{48}$$

$$\sqrt{147}$$

$$4\sqrt{3}$$

$$7\sqrt{3}$$

$$5\sqrt{5}$$

$$3\sqrt{2}$$



Selamat mengerjakan
semoga sukses

