

**Started on** Tuesday, 19 April 2022, 09:56**State** In progress**Question 1**

Answer saved

Marked out of 1



Edit question

Invers dari matriks $A = \begin{bmatrix} 2 & 3 \\ 5 & 7 \end{bmatrix}$ adalah..

Select one:

- $\begin{bmatrix} -7 & 3 \\ 5 & 2 \end{bmatrix}$
- $\begin{bmatrix} 5 & -2 \\ 3 & 7 \end{bmatrix}$
- $\begin{bmatrix} -7 & 3 \\ 5 & -2 \end{bmatrix}$
- $\begin{bmatrix} -5 & -2 \\ -3 & -7 \end{bmatrix}$
- $\begin{bmatrix} 7 & -3 \\ 5 & -2 \end{bmatrix}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 09:56	Saved: $\begin{bmatrix} 5 & -2 \\ 3 & 7 \end{bmatrix}$	Answer saved	

Question 2

Answer saved

Marked out of 1



Edit question

Jika α dan β merupakan akar - akar persamaan kuadrat $x^2 + 3x - 4 = 0$, persamaan kuadrat baru yang mempunyai akar - akar 3α dan 3β adalah..

Select one:

- $x^2 - 9x + 36 = 0$
- $x^2 + 12x - 9 = 0$
- $x^2 - 12x + 9 = 0$
- $x^2 + 9x - 36 = 0$
- $x^2 - 9x - 36 = 0$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 09:57	Saved: $(x^2 - 12x + 9 = 0)$	Answer saved	

Question 3

Answer saved
Marked out of 1



Edit question

Suatu perusahaan penerbitan buku memproduksi buku agenda dengan biaya Rp5.000,00 per buku dan biaya operasional sebesar Rp2.500.000,00. Buku agenda tersebut akan dijual seharga Rp7.500,00 per buku. Agar perusahaan mendapat untung Rp10.000.000,00, banyak buku yang harus dijual adalah..

Select one:

- 4.000 buku
- 6.000 buku
- 5.500 buku
- 4.500 buku
- 5.000 buku

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:00	Saved: 4.000 buku	Answer saved	

Question 4

Answer saved
Marked out of 1



Edit question

Diketahui $\begin{bmatrix} 6 & 2a + b \\ 3a & b + 2c \end{bmatrix} + \begin{bmatrix} -8 & 2 \\ 0 & -3 \end{bmatrix} = \begin{bmatrix} -2 & 5 \\ 3 & 2 \end{bmatrix}$ | Nilai $b + 2c = \dots$ |

Select one:

- 5
- 5
- 1
- 1
- 3

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:00	Saved: 3	Answer saved	

Question 5

Answer saved

Marked out of 1



Edit question

Jika matriks $B = \begin{bmatrix} -1 & 5 & -3 \\ 3 & 2 & 6 \\ 0 & -1 & 4 \end{bmatrix}$, determinan matriks B adalah...

Select one:

- 56
- 0
- 65
- 56
- 65

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:00	Saved: -65	Answer saved	

Question 6

Answer saved

Marked out of 1



Edit question

$\lim_{x \rightarrow -2} x^2 + 6x + 5 = \dots$

Select one:

- 13
- 11
- 3
- 11
- 3

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: 3	Answer saved	

Question 7

Answer saved

Marked out of 1



Edit question

Diketahui fungsi kuadrat $f(x) = 8 + 6x - x^2$. Koordinat titik puncak grafik fungsi kuadrat tersebut adalah ...

Select one:

- (-3, 17)
- (3, 17)
- (-3, 18)

- (3, 17)
- (-3, 20)

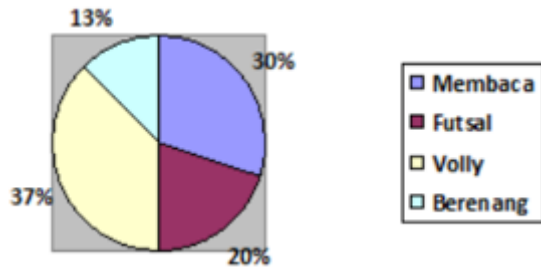
Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: (-3, 17)	Answer saved	

Question 8

Answer saved
Marked out of 1
Edit question

Diagram berikut menggambarkan hobi dari 200 anak. Jumlah anak yang menggemari futsal adalah...



Select one:

- 60 orang
- 70 orang
- 80 orang
- 40 orang
- 50 orang

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: 80 orang	Answer saved	

Question 9

Answer saved
Marked out of 1
Edit question

Nomor pegawai pada suatu pabrik terdiri atas tiga angka dengan angka pertama bukan nol. Banyak nomor pegawai yang ganjil adalah...

Select one:

- 85
- 64
- 425
- 345

450

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: 64	Answer saved	

Question 10

Answer saved

Marked out of 1



Edit question

Simpangan baku dari data tunggal 5, 3, 5, 4, 6, dan 7 adalah...

Select one:

- $\frac{1}{2}\sqrt{2}$
- $\frac{1}{3}\sqrt{3}$
- $\frac{1}{3}\sqrt{15}$
- $\frac{1}{3}\sqrt{5}$
- $\frac{1}{3}\sqrt{2}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: $\left(\frac{1}{3}\sqrt{5}\right)$	Answer saved	

Question 11

Answer saved

Marked out of 1



Edit question

Pada kubus ABCD.EFGH, garis yang tidak saling sejajar adalah...

Select one:

- BC dan EH
- AB dan EF
- DG dan BE
- BD dan FH
- BG dan AH

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: AB dan EF	Answer saved	

Question 12

Answer saved

Marked out of 1



Edit question

Tiga siswa dipilih dari 6 siswa putri dan 10 siswa putra .kemungkinan ketiga siswa yang dipilih semuanya putra adalah...

Select one:

- $\frac{18}{56}$
- $\frac{19}{56}$
- $\frac{15}{56}$
- $\frac{17}{56}$
- $\frac{16}{56}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: $(\frac{19}{56})$	Answer saved	

Question 13

Answer saved

Marked out of 1



Edit question

Tabel berikut merupakan data hasil ulangan matematika di suatu kelas

Nilai	Frekuensi
41-50	4
51-60	6
61-70	7
71-80	10
81-90	9
91-100	4

Rata-rata dari data tersebut adalah..

Select one:

- 72
- 72,5
- 78,0
- 73,5
- 74,5

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: 72,5	Answer saved	

Question 14

Answer saved

Marked out of 1



[Edit question](#)

$$\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1} = \dots$$

Select one:

- 1
 -2
 2
 1
 0

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: 2	Answer saved	

Question 15

Answer saved

Marked out of 1



[Edit question](#)

Turunan pertama dari fungsi $f(x) = 4x^3 - 3x^2 - 5x + 2$ adalah..

Select one:

- $f'(x) = 12x^2 - 6x - 5x$
 $f'(x) = 12x^2 - 6x - 5$
 $f'(x) = 4x^2 - 3x - 5$
 $f'(x) = 4x^2 - 6x - 5$
 $f'(x) = 12x^2 - 6x - 5x + 2$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: $\left(\frac{f}{f}\right)'(x) = 4x^2 - 3x - 5$	Answer saved	

Question 16

Answer saved

Marked out of 1

[Edit question](#)Himpunan penyelesaian dari sistem persamaan linier $y + 2x = 4$ dan $(x-y=-1)$ adalah...

Select one:

- (2, 1)
- (-2, 1)
- (-1, 2)
- (-1, -2)
- (1, 2)

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: (-2, 1)	Answer saved	

Question 17

Answer saved

Marked out of 1

[Edit question](#)

Dalam percobaan pelemparan sebuah dadu setimbang, K menyatakan kejadian munculnya mata dadu bilangan genap. Peluang kejadian K adalah...

Select one:

- $\frac{1}{2}$
- $\frac{1}{6}$
- $\frac{1}{4}$
- $\frac{1}{4}$
- $\frac{1}{3}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: $\frac{1}{4}$	Answer saved	

Question 18

Answer saved

Marked out of 1

[Edit question](#)Hasil dari $\int 3x^2 - 4x + 2dx = \dots$ |

Select one:

- $x^3 - 2x^2 + 2x + C$
- $3x^3 - 4x^2$
- $3x^3 - 4x^2 + 2$
- $x^3 - 2x^2 + 2 + C$

$x^3 - 2x^2 + 2x + C$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:01	Saved: $(3x^3 - 4x^2)$	Answer saved	

Question 19

Answer saved

Marked out of 1



Edit question

Turunan pertama dari fungsi $f(x) = 5x^2 - 3x^2$ di $x=2$ adalah..

Select one:

- 18
- 14
- 23
- 17
- 16

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 16	Answer saved	

Question 20

Answer saved

Marked out of 1



Edit question

$\lim_{x \rightarrow 0} \frac{x + \sqrt{x}}{\sqrt{x}} = \dots$

Select one:

- 0
- 1
- 2
- 3
- $\sqrt{2}$

Response history

Step	Waktu	Action	State	Marks
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Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 2	Answer saved	

Question 21

Answer saved

Marked out of 1



Edit question

Jika $x = a$ dan $y = b$ merupakan penyelesaian sistem persamaan $4y + y = 9$ dan $x + 4y = 6$, nilai dari $2a - 3b$ adalah...

Select one:

- 2
- 1
- 1
- 2
- 0

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: -1	Answer saved	

Question 22

Answer saved

Marked out of 1



Edit question

Koordinat titik balik grafik fungsi $g(x) = 2x^2 + 8x - 4$ adalah...

Select one:

- (3, 12)
- (-1, -16)
- (-3, -10)
- (-2, -12)
- (2, -12)

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: (-2, -12)	Answer saved	

Question 23

Answer saved

Marked out of 1



Edit question

Determinan matriks $A = \begin{bmatrix} -4 & 0 & 3 \\ 1 & 2 & 4 \\ 2 & 5 & -1 \end{bmatrix}$ adalah...

Select one:

- 91
- 88
- 12
- 66
- 45

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 91	Answer saved	

Question 24

Answer saved

Marked out of 1



Edit question

Hasil dari $2A - A^2$ untuk $A = \begin{bmatrix} -2 & 1 \\ 3 & 0 \end{bmatrix}$ adalah...

Select one:

- $\begin{bmatrix} -11 & 4 \\ 12 & -3 \end{bmatrix}$
- $\begin{bmatrix} 11 & 4 \\ 12 & 3 \end{bmatrix}$
- $\begin{bmatrix} -11 & -4 \\ 12 & -3 \end{bmatrix}$
- $\begin{bmatrix} -11 & 4 \\ 12 & 3 \end{bmatrix}$
- $\begin{bmatrix} -11 & 4 \\ -12 & -3 \end{bmatrix}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: $\begin{bmatrix} 11 & 4 \\ 12 & 3 \end{bmatrix}$	Answer saved	

Question 25

Answer saved

Marked out of 1



Edit question

Jika matriks $P = \begin{bmatrix} 1 & 2 \\ 3 & 5 \end{bmatrix}$, invers matriks $2P$ adalah...

Select one:

- $\frac{1}{2} \begin{bmatrix} 1 & -3 \\ -2 & 5 \end{bmatrix}$
- $-\frac{1}{2} \begin{bmatrix} 5 & -2 \\ -3 & 1 \end{bmatrix}$
- $\frac{1}{2} \begin{bmatrix} -1 & 3 \\ 2 & -5 \end{bmatrix}$
- $\frac{1}{2} \begin{bmatrix} -5 & 2 \\ 3 & -1 \end{bmatrix}$
- $\frac{1}{4} \begin{bmatrix} 5 & -3 \\ -2 & 1 \end{bmatrix}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: $\left(-\frac{1}{2}\begin{bmatrix} 5 & -2 \\ -3 & 1 \end{bmatrix}\right)$	Answer saved	

Question 26

Answer saved

Marked out of 1



Edit question

Bentuk sederhana dari $\left(\frac{x^2y^{-1}z^{-4}}{x^4y^{-5}z^2}\right)^2$ adalah...

Select one:

- $\frac{y^8}{x^2z^{12}}$
- $\frac{y^5}{x^6z^{12}}$
- $\frac{y^8}{x^4z^{12}}$
- xy^4z^2
- $\frac{y^{10}}{x^2z^{12}}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: (xy^4z^2)	Answer saved	

Question 27

Answer saved

Marked out of 1



Edit question

Dari seperangkat kartu bridge diambil sebuah kartu secara acak. Peluang yang terambil kartu As adalah...

Select one:

- 2/52
- 5/52
- 1/52
- 4/52
- 3/52

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 2/52	Answer saved	

Question 28

Answer saved

Marked out of 1



Edit question

$$\lim_{x \rightarrow \infty} \frac{3x^4 + x^3 + 2x^2 - 4x + 3}{-x^4 - 2x^3 + 5x + 4} = \dots$$

Select one:

- ∞
- 3
- 0
- 3
- $-\infty$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: $-\infty$	Answer saved	

Question 29

Answer saved

Marked out of 1



Edit question

Harga 2 komponen radio dan 3 komponen televisi adalah Rp 28.000,00, sedangkan harga 3 komponen radio dan 1 komponen televisi adalah Rp 21.000,00. David akan membeli 1 komponen radio dan 2 komponen televisi, David harus membayar...

Select one:

- Rp 15.000,00
- Rp 17.000,00

- Rp 18.000,00
- Rp 10.000,00
- Rp 16.000,00

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: Rp 17.000,00	Answer saved	

Question 30

Answer saved

Marked out of 1



[Edit question](#)

Diketahui persamaan kuadrat $x^2 + 4x - 6 = 0$ mempunyai akar-akar x_1 dan x_2 . Persamaan kuadrat baru yang akar-akarnya $(x_1 + 2)$ dan $(x_2 + 2)$ adalah...

Select one:

- $x^2 - 2x + 10 = 0$
- $x^2 - 10 = 0$
- $x^2 - 10 = 0$
- $x^2 + 6x + 12 = 0$
- $x^2 + 2x - 10 = 0$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: $(x^2+2x-10=0)$	Answer saved	

Question 31

Answer saved

Marked out of 1



[Edit question](#)

Turunan pertama dari fungsi $f(x) = 5x^2 - 3x^2$ di $x = 3$ adalah..

Select one:

- 23
- 27
- 14
- 18
- 36

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:03	Saved: 27	Answer saved	

Question 32

Answer saved
Marked out of 1



Edit question

Modus dari data 11, 11, 13, 15, 14, 11, 13, 15, 13, 12 adalah...

Select one:

- 11 dan 13
- Tidak punya modus
- 11
- 13
- 13 dan 15

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 11 dan 13	Answer saved	

Question 33

Answer saved
Marked out of 1



Edit question

Dalam percobaan pelemparan sebuah dadu setimbang, A menyatakan kejadian munculnya mata dadu bilangan ganjil. Peluang kejadian A adalah...

Select one:

- $\frac{1}{4}$
- $\frac{1}{2}$
- $\frac{1}{4}$
- $\frac{1}{6}$
- $\frac{1}{3}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: $\frac{1}{4}$	Answer saved	

Question 34

$$\lim_{x \rightarrow 1} \frac{x^2 - 4}{x - 2} = \dots$$

Answer saved

Marked out of 1



Edit question

Select one:

- 3
- 1
- 2
- 3
- 0

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:02	Saved: 3	Answer saved	

Question 35

Answer saved

Marked out of 1



Edit question

Jika $a = 4$ dan $b = 8$, maka nilai dari $\left(\frac{a^{\frac{1}{2}} b^{\frac{1}{3}}}{a^{-1} b^2}\right)^{-1}$ adalah...

Select one:

- $\frac{1}{2}$
- $\frac{2}{8}$
- $\frac{8}{3}$
- 4
- $\frac{3}{8}$

Response history

Step	Waktu	Action	State	Marks
1	19/04/22, 09:56	Started	Not yet answered	
2	19/04/22, 10:03	Saved: 4	Answer saved	

Finish review