

MS-A0001 - Matrix Algebra, 26.10.2020-08.12.2020

Started on	Tuesday, 8 December 2020, 8:04 AM
State	Finished
Completed on	Tuesday, 8 December 2020, 8:04 AM
Time taken	12 secs
Grade	3.00 out of 3.00 (100%)

Quiz navigation

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Question 1

Flag question

Mark 1.00 out of 1.00

Correct

$$A = \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix}, A^{-1} = \begin{pmatrix} \frac{2}{3} & \frac{1}{3} \\ \frac{1}{3} & \frac{2}{3} \end{pmatrix}$$

True or false?

Select one or more:

- ☐ a. False
- ☒ b. True

OK

Your answer is correct.

The correct answer is: True

Question 2

Flag question

Mark 1.00 out of 1.00

Correct

$$A = \begin{pmatrix} 2 & 1 & 0 \\ 1 & 2 & 1 \\ 0 & 1 & 2 \end{pmatrix}, L = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 2 & -3 & 1 \end{pmatrix}, U = \begin{pmatrix} 1 & 2 & 1 \\ 0 & 1 & 2 \\ 0 & 0 & 4 \end{pmatrix}$$

What is true, what is false?

Select one or more:

- ☒ a. PA = LU, P is not shown here!

Yes! Can you find it?
- ☐ b. A = LU
- ☐ c. Trick question, all wrong.

Your answer is correct.

The correct answer is: PA = LU, P is not shown here!

Question 3

Flag question

Mark 1.00 out of 1.00

Correct

$$P = \begin{pmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & 0 & 0 \end{pmatrix}$$

What is the result of $P(1\ 2\ 3)^T$?

Select one or more:

- ☒ a. (2,3,1)

Yes!
- ☐ b. (3,2,1)
- ☐ c. (1,2,3)

Your answer is correct.

The correct answer is: (2,3,1)

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◀ Lecture 3 (Activation Quiz)

Lecture 5 (Activation Quiz) ▶



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