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

1 2 3

Finish review

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)

Finish review

◄ Lecture 3 (Activation Quiz)

Lecture 5 (Activation Quiz) ►