

MS-A0001 - Matrix Algebra, 26.10.2020-08.12.2020

Started on	Tuesday, 8 December 2020, 8:07 AM
State	Finished
Completed on	Tuesday, 8 December 2020, 8:26 AM
Time taken	18 mins 45 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

$$A = \begin{pmatrix} 2 & -1 \\ -2 & 4 \end{pmatrix}, B = \begin{pmatrix} \frac{2}{3} & \frac{1}{6} \\ \frac{1}{3} & \frac{1}{3} \end{pmatrix}$$

Is  $B = A^{-1}$ ?

Select one or more:

- ☒ a. True ✓ Yes!
- ☐ b. False

Your answer is correct.

The correct answer is: True

Question 2

[Flag question](#) Mark 1.00 out of 1.00 Correct

$$\begin{pmatrix} \frac{1}{\sqrt{2}} & -\frac{1}{\sqrt{2}} \\ \frac{1}{\sqrt{2}} & \frac{1}{\sqrt{2}} \end{pmatrix}$$

Is this matrix orthogonal?

Select one or more:

- ☐ a. False
- ☒ b. True ✓ Yes!

Your answer is correct.

The correct answer is: True

Question 3

[Flag question](#) Mark 1.00 out of 1.00 Correct

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

Is  $P^T = P^{-1}$ ?

Select one or more:

- ☐ a. False
- ☒ b. True ✓ Yes!

Your answer is correct.

The correct answer is: True

[Finish review](#)

◀ Lecture 4 (Activation Quiz)

Lecture 6 (Activation Quiz) ▶



- Tuki / Support
- Opiskelijoille / Students**
- [MyCourses instructions for students](#)
  - email: [mycourses\(at\)aalto.fi](mailto:mycourses(at)aalto.fi)

- Opettajille / Teachers**
- [MyCourses help](#)
  - [MyTeaching Support form](#)

- Palvelusta
- [MyCourses rekisteriseloste](#)
  - [Tietosuojailmoitus](#)
  - [Palvelukuvaus](#)
  - [Saavutettavuusseloste](#)

- About service
- [MyCourses protection of privacy](#)
  - [Privacy notice](#)
  - [Service description](#)
  - [Accessibility summary](#)

- Service
- [MyCourses registerbeskrivning](#)
  - [Dataskyddsmeddelande](#)
  - [Beskrivning av tjänsten](#)
  - [Sammanfattning av tillgängligheten](#)

