

MS-A0001 - Matrix Algebra, 26.10.2020-08.12.2020

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Started on	Thursday, 29 October 2020, 3:05 PM
State	Finished
Completed on	Thursday, 29 October 2020, 3:05 PM
Time taken	19 secs
Grade	3.00 out of 3.00 (100%)

Quiz navigation

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Finish review

Question 1

Flag question

Mark 1.00 out of 1.00

Correct

$$2x - 3y = 2$$

$$2x - 3y = 11$$

What is the geometric interpretation?

Select one or more:

- ☐ a. Two straight lines intersecting at a point.
- ☐ b. Two overlapping straight lines.
- ☒ c. Two parallel straight lines. ✓ OK

Your answer is correct.

The correct answer is: Two parallel straight lines.

Question 2

Flag question

Mark 1.00 out of 1.00

Correct

$$2x_1 - 3x_2 - 5x_3 = 20$$

$$7x_1 + 2x_2 + 6x_3 = 35$$

$$4x_1 + 5x_2 - 3x_3 = 15$$

Eliminate x_1 . What are the scalar coefficients of the row operations?

Select one or more:

- ☐ a. 7 and 4
- ☒ b. -7/2 and -2 ✓ OK
- ☐ c. Cannot be found!

Your answer is correct.

The correct answer is: -7/2 and -2

Question 3

Flag question

Mark 1.00 out of 1.00

Correct

$$2x_1 = 20$$

$$7x_1 + 2x_2 + 6x_3 = 35$$

$$4x_1 + 5x_2 = 15$$

Why it isn't necessary to perform elimination?

Select one or more:

- ☐ a. Trick question. One must always eliminate!
- ☒ b. The system can be solved with forward substitution. ✓ Yes! But it is difficult to recognise!

Your answer is correct.

The correct answer is: The system can be solved with forward substitution.

Finish review

◀ Lecture 1 (Activation Quiz)

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