Started on	Tuesday, 8 December 2020, 8:15 AM
State	Finished
Completed on	Tuesday, 8 December 2020, 8:15 AM
Time taken	18 secs
Grade	**3.00** out of 3.00 (**100**%)

Question **1**

Flag question Mark 1.00 out of 1.00 Correct

$$A = \begin{pmatrix} -1 & -1 & 1 & 1 \\ 1 & 1 & -1 & 2 \\ -1 & -2 & 1 & -1 \end{pmatrix}, N(A) = \text{span}(\{\begin{pmatrix} 1 & 0 & 1 & 0 \end{pmatrix}^T\})$$

Given that dim N(A) = 1, true or false?

Select one or more:

- [x] 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

$$R = \begin{pmatrix} 1 & 0 & -1 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

Given A in the first question, is R the reduced echelon form of A?

Select one or more:

- [x] a. True ✓ Yes!!
- [ ] b. False

Your answer is correct.

The correct answer is: True

Question **3**

Flag question Mark 1.00 out of 1.00 Correct

$$b = \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}, x = \begin{pmatrix} \xi + 1 \\ -\frac{4}{3} \\ \xi \\ \frac{2}{3} \end{pmatrix}$$

Consider a right-hand-side b and R as in the previous question. Is x the general solution?

Select one or more:

- [ ] a. False
- [x] b. True ✓ Yes!!!

Your answer is correct.

The correct answer is: True

Finish review

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Finish review

◄ Lecture 5 (Activation Quiz)

Lecture 7 (Activation Quiz) ►