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Started on Wednesday, 7 April 2021, 3:05 PM

**State** Finished

Completed on Wednesday, 7 April 2021, 3:14 PM

**Time taken** 9 mins 38 secs

Marks 4.00/5.00

**Grade 8.00** out of 10.00 (80%)

## Question 1

Correct

Mark 1.00 out of

1.00

The value of  $\lambda$  for which the matrix  $\begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \lambda & -3 & 0 \end{bmatrix}$  is singular

Select one:

 $\bigcirc$  a. 4

 $\bigcirc$  b. -1

 $\circ$  c. 0

 $\bigcirc$  d. 2



Your answer is correct.

The correct answer is: 2

## Question $\mathbf{2}$

Incorrect

Mark 0.00 out of

1.00

The matrix  $\begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$  is in row reduced echelon form.

Select one:

- a. True X
- ob. False

Your answer is incorrect.

The correct answer is: False

## Question 3

Correct

Mark 1.00 out of

1.00

Let A and B be two  $2 \times 2$  matrices. If AB = 0; then A = 0 or B = 0:

Select one:

- a. True
- b. False 

  ✓

Your answer is correct.

The correct answer is: False

## Question 4

Correct

Mark 1.00 out of

1.00

Rank of the matrix  $\begin{bmatrix} 1 & 1 & 1 & 1 \\ 2 & 3 & 4 & 5 \end{bmatrix}$  is

Select one:

- $\bigcirc$  a. 3
- b. 2



- o c. 1
- $\bigcirc$  d. 0

Your answer is correct.

The correct answer is: 2

Question  $\bf 5$ 

Correct

Mark 1.00 out of

1.00

For the matrix  $\begin{bmatrix} 1 & 0 & 1 \\ 3 & 4 & 5 \\ 2 & 3 & 4 \end{bmatrix}$ 

For the matrix  $ig|\ 3$   $ig|\ 4$   $ig|\ 5$  , the minor of an element 0 whose position is first row and second

column is

Select one:

- a. 1
- lacksquare b. 2



- $\quad \ \ \, \text{c.}\,-2$
- $\bigcirc$  d. 0

Your answer is correct.

The correct answer is: 2

