

MODULE 5

LESSON 6

QUIZ

1. Question. Which of the following is the value of

$$\det \begin{pmatrix} -3 & 2 \\ 1 & 4 \end{pmatrix}?$$

A. -14

B. -10

C. 14

D. 10

Go to answer 1

2. Question. Which of the following is the value of

$$\det \begin{pmatrix} -2 & 4 & 3 \\ 1 & 0 & -2 \\ 3 & 4 & 2 \end{pmatrix}?$$

A. -13

B. -24

C. 60

D. -36

Go to answer 2

3. Question. Which of the following is the y -value of the solution of the system

$$\begin{aligned}3x + y + 2z &= 0 \\x - 3y + z &= -1 ? \\4x + 2y + 3z &= -1\end{aligned}$$

- A. 2
- B. 0
- C. -3
- D. 3

Go to answer 3

4. Question. For which of the following values of a the value of the determinant of the matrix

$$\begin{pmatrix} 2a & 4a \\ -3 & 3a \end{pmatrix}$$

is 90.

- A. 1 and -5
- B. 3 and -5
- C. -3 and 5
- D. 4 and 3

Go to answer 4

5. Question. Which of the following values of x and y satisfy the equation

$$\det \begin{pmatrix} x & y & 1 \\ 3 & -5 & 1 \\ -2 & 6 & 1 \end{pmatrix} = 0?$$

A. $x = 1$ and $y = -5$

B. $x = 3$ and $y = -5$

C. $x = -3$ and $y = 0$

D. $x = -2$ and $y = 3$

Go to answer 5

ANSWERS

1. Answer to Question 1 is "A".

Go back 1

2. Answer to Question 2 is "D".

Go back 2

3. Answer to Question 3 is "B".

Go back 3

4. Answer to Question 4 is "B".

Go back 4

5. Answer to Question 5 is "B".

Go back 5