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

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

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