

VU QUIZ REPORT

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Subject: MTH501

Quiz Completed: 5/7/2026, 9:02:56 PM

Total Questions: 9

Mathematical Questions: 7

CROPPED Screenshots: 7

Question 2:

Question # 2 of 10 (Start time: 08:56:28 PM, 07 May 2026)

Total Marks: 1

Set $\left\{ \begin{pmatrix} 1 \\ 2 \end{pmatrix}, \begin{pmatrix} 0 \\ 0 \end{pmatrix} \right\}$ is Linearly ----- in $\mathbb{R}^2$.

Select the correct option

 Reload Math Equations

Dependent

☐

Independent

☐

You selected: A

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: A

Question 3:

Question # 3 of 10 (Start time: 08:58:01 PM, 07 May 2026)

Total Marks: 1

In $\mathbb{R}^2$, Linearly dependent vectors lie on the same -----.

Select the correct option

 Reload Math Equations

Line

☐

Plane

☐

You selected: A

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: A

Question 4:

Question # 4 of 10 (Start time: 08:58:21 PM, 07 May 2026)

Total Marks: 1

Siny + Sinx = 1, is an example of - - Equation.

Select the correct option

Reload Math Equations

☐	Quadratic
☐	Homogeneous
☐	Non - Linear
☐	Linear

You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 5:

Question # 5 of 10 (Start time: 08:58:53 PM, 07 May 2026)

Total Marks: 1

Geometrically, the solution set for the system of Equations: $x + 2y = 0, 2x - y = 0$; is given by - - - -.

Select the correct option

Reload Math Equations

☐	$Span\{\vec{O}\}$
☐	$Span\left\{\begin{pmatrix} 2 \\ -1 \end{pmatrix}\right\}$
☐	$Span\left\{\begin{pmatrix} 1 \\ 2 \end{pmatrix}, \begin{pmatrix} 2 \\ -1 \end{pmatrix}\right\}$
☐	$Span\left\{\begin{pmatrix} 1 \\ 2 \end{pmatrix}\right\}$

You selected: A

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: A

Question 6:

The order of matrix $\begin{bmatrix} 2 & 1 & 3 \\ 2 & 1 & 3 \\ 2 & 1 & 3 \end{bmatrix}$ is

A. 2-by-3

B. 2-by-1

C. 3-by-1

D. 1-by-3

Selected Answer: D

Question 7:

Question # 7 of 10 (Start time: 08:59:55 PM, 07 May 2026)

Total Marks: 1

Which of the following will be the Linear Combination corresponding to $\begin{pmatrix} -2 & 3 \\ 5 & 1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix}$?

Select the correct option

☐

$\begin{pmatrix} -2 \\ 3 \end{pmatrix} x + \begin{pmatrix} 5 \\ 1 \end{pmatrix} y$

☐

$\begin{pmatrix} 5 \\ 1 \end{pmatrix} x + \begin{pmatrix} -2 \\ 3 \end{pmatrix} y$

☐

$\begin{pmatrix} -2 \\ 5 \end{pmatrix} x + \begin{pmatrix} 3 \\ 1 \end{pmatrix} y$

☐

$\begin{pmatrix} 3 \\ 1 \end{pmatrix} x + \begin{pmatrix} -2 \\ 5 \end{pmatrix} y$

You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 8:

Question # 8 of 10 (Start time: 09:00:27 PM, 07 May 2026)

Total Marks: 1

The equation : $0x - 0y = -5$ has ---- solution(s).

Select the correct option

☐

Infinite many

☐

distinct finite

☐

Unique

☐

No

You selected: D

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: D

Question 9:

Question # 9 of 10 (Start time: 09:00:49 PM, 07 May 2026)

Total Marks: 1

The Equations: $2x - y = 6$
 $-x + \frac{1}{2}y = -\frac{3}{2}$
is an example of ---- System.

Select the correct option

☐

Non-Linear

☐

Consistent

☐

Inconsistent

You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 10:

Generally, the matrices are denoted by

- A. Numbers
- B. Small letter
- C. Capital letter**
- D. Operational signs

Selected Answer: C

Mathematical Questions Note:

Questions containing mathematical equations and symbols are displayed as CROPPED screenshots (top 20% removed for privacy) to preserve the original formatting. Your selected answers are displayed below each screenshot for easy reference.