VU QUIZ REPORT

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Subject: MTH301

Quiz Completed: 4/29/2026, 9:54:06 AM
Total Questions: 10
Mathematical Questions: 3
CROPPED Screenshots: 3

Question 1:

Which condition is necessary for a function to be continuous at any point (x, y)

A. function value should be equal to limit value of function at (x, y)

B. function should be defined at (x, y)

C. Limit of the function at (x, y) exsits

D. All of these

Selected Answer: D

Question 2:

To determine a point on a real line how many axis are required (i.e. in 1 dimension)

A. 1

B. 2

C. none

D. 3

Selected Answer: A

Question 3:

The first order partial derivative of z=sinaxy is continuous" role="presentatio
z=sinxy is continuousThe first order partial derivative of z=sinaxy is continuo
~of~ z = \sin xy~~ is~ continuous

A. nowhere

B. everywhere

C. only at (0,0)

D. somewhere

Selected Answer: B

Question 4:

If the partial derivative (w.r.t ‘x’ or ‘y’) at any point on the surface: z=f(x,y)" role="presentation">z=f(x,y)z=f(x,y)z = f(x,y) is Infinity, then tangent plane at that point will be perpendicular to--------.

A. YZ-plane

B. XZ-plane

C. Any arbitrary plane

D. XY-plane

Selected Answer: D

Question 5:

If the partial derivative (w.r.t ‘x’ or ‘y’) at any point on the surface: z=f(x,y)" role="presentation">z=f(x,y)z=f(x,y)z = f(x,y) is zero, then tangent plane at that point will be parallel to--------.

A. XY-plane

B. YZ-plane

C. Any arbitrary plane

D. XZ-plane

Selected Answer: A

Question 6:

We need direction cosines to determine the position of a line in space.

A. True

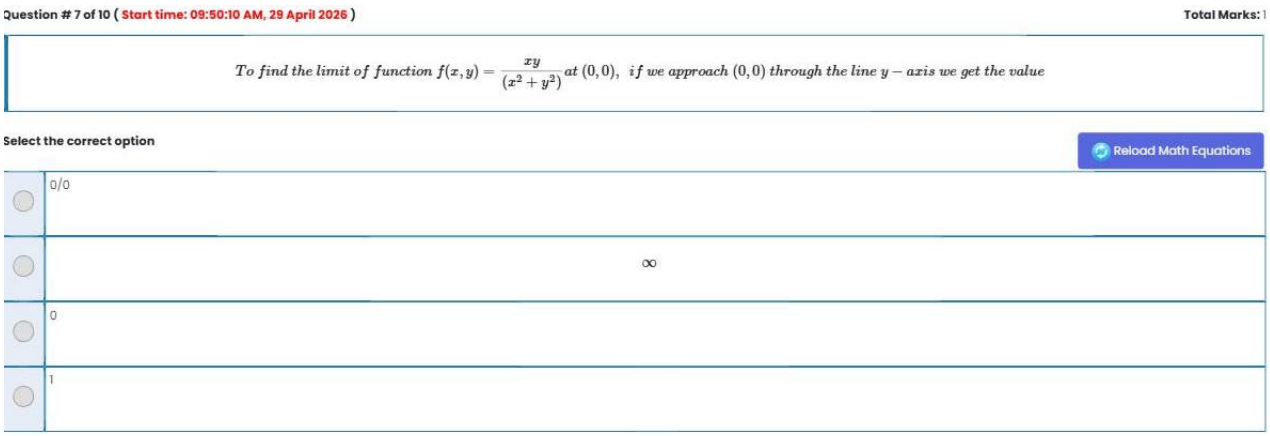
B. False

C. Option C not found

D. Option D not found

Selected Answer: B

Question 7:

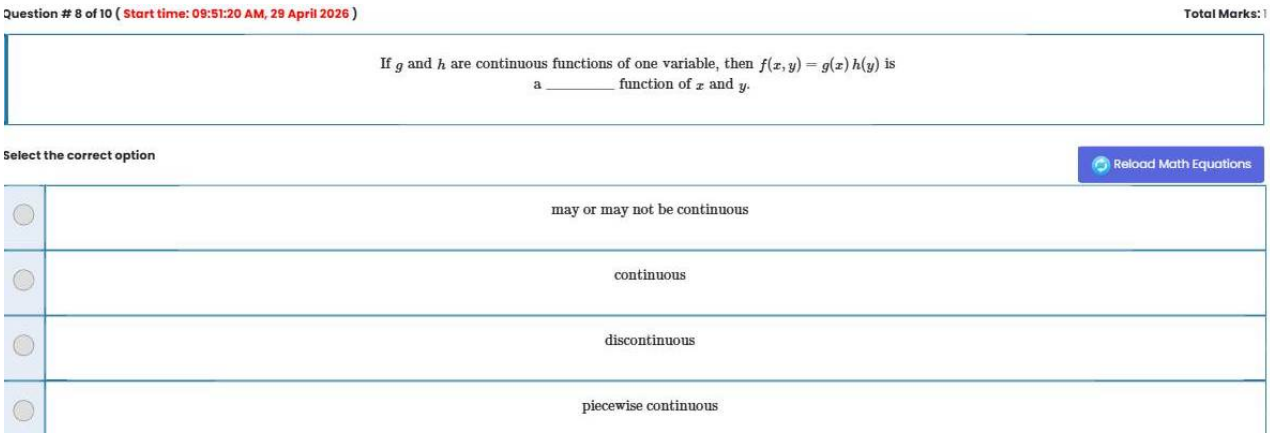


You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 8:



You selected: B

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: B

Question 9:

If the velocity (V1) of a car is 20m/s eastward and velocity (V2) of bike is 40m/s northward then which of the following would be the dot product of these velocities?

A. Zero

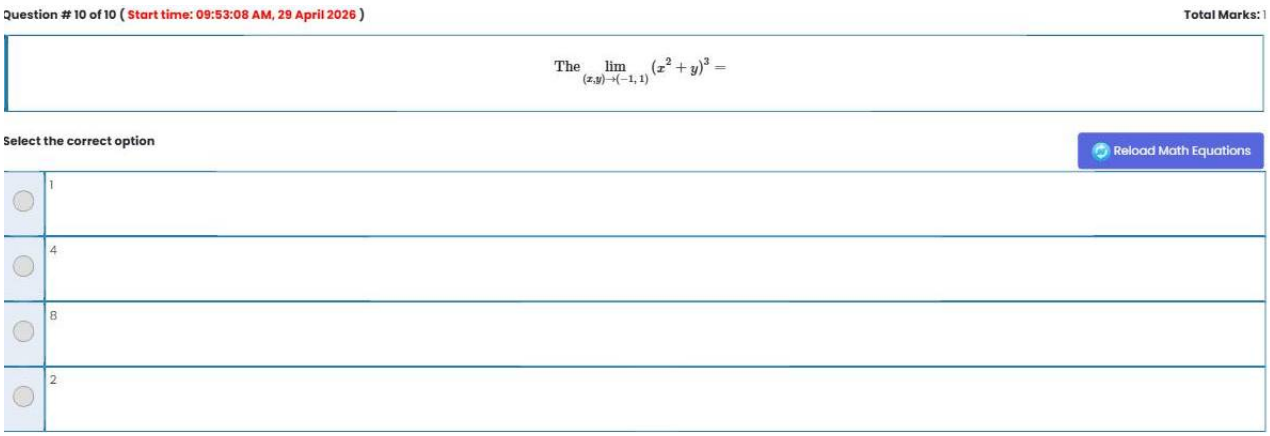
B. 800

C. 2

D. -800

Selected Answer: A

Question 10:



You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

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.