

Sample Questions with Answers

Mathematics - Statistics

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Mathematics

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Question 1:

If a and b are two non-zero and non-collinear vectors, then $a + b$ and $a - b$ are.

- A) Linearly dependent vectors
- B) Linearly dependent and independent vectors
- C) Linearly independent vectors
- D) All of the above

[ANSWER] Answer & Explanation:

Option C is the right answer.

Question 2:

The system of vectors i, j, k is?

- A) Orthogonal
- B) Collinear
- C) Coplanar
- D) All of the above

[ANSWER] Answer & Explanation:

Option A is the right answer.

Question 3:

What should be added in vector to get its resultant a unit vector i.

- A) $-2i - 4j + 2k$
- B) $2i + 4j + 2k$
- C) $-2i + 4j + 2k$
- D) All of the above

[ANSWER] Answer & Explanation:

Option A is the right answer.

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