

# Sample Questions with Answers

## Mathematics - Statistics

Generated on January 19, 2026 at 10:33 PM

Mathematics

**[NOTE] Important Note:** This PDF contains sample questions with complete answers and explanations. Visit [SolveMyQues.com](https://SolveMyQues.com) for our complete question bank, interactive tests, and detailed performance tracking!

### 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  $\mathbf{i}$ .

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

#### [ANSWER] Answer & Explanation:

Option A is the right answer.

### [FEATURES] Want More Questions & Features?

Visit [SolveMyQues.com](https://www.solvemyques.com) for:

- [+] Complete question bank with detailed answers & explanations
- [+] Interactive skill assessment tests with instant results
- [+] Performance tracking and personalized recommendations
- [+] Achievement certificates and progress reports
- [+] Expert explanations and step-by-step solutions
- [+] Ask questions to our expert team
- [+] Daily challenges and leaderboards

[WEB] Website: [www.solvemyques.com](https://www.solvemyques.com)

[EMAIL] Email: [support@solvemyques.com](mailto:support@solvemyques.com)