

Sample Questions with Answers

Mathematics - Calculus

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Mathematics

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Question 1:

The point having position vectors $2i + 3j + 4k$, $3i + 4j + 2k$, $4i + 2j + 3k$ are the vertices of.

- A) Right angled triangle
- B) Equilateral triangle
- C) Isosceles triangle
- D) Collinear

[ANSWER] Answer & Explanation:

Option B is the right answer.

Question 2:

A zero vector has

- A) Any direction
- B) Many directions
- C) No direction
- D) All of the above

[ANSWER] Answer & Explanation:

Option A is the right answer.

Question 3:

If the vectors $6i - 2j + 3k$, $2i + 3j - 6k$ and $3i + 6j - 2k$ form a triangle, then it is.

- A) Right angled
- B) Equilateral
- C) Obtuse angled
- D) Isosceles

[ANSWER] Answer & Explanation:

Option C is the right answer.

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