

Sample Questions with Answers

Mathematics - Probability

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Mathematics

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Question 1:

The figure formed by the four points $i + j - k$, $2i + 3j$, $3i + 5j - 2k$ and $k - j$ is.

- A) Rectangle
- B) Trapezium
- C) Parallelogram
- D) All of the above

[ANSWER] Answer & Explanation:

Option B is the right answer.

Question 2:

If the position vectors of the vertices of a triangle be $6i + 4j + 5k$, $4i + 5j + 6k$ and $5i + 6j + 4k$ then the triangle is?

- A) Right angled
- B) Equilateral
- C) Isosceles
- D) All of the above

[ANSWER] Answer & Explanation:

Option B is the right answer.

Question 3:

The position vectors of two points A and B are $i + j - k$ and $2i - j + k$ respectively. Then $|AB| =$.

- A) 2
- B) 3
- C) 4
- D) 5

[ANSWER] Answer & Explanation:

Option B is the right answer.

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