

Education as a Service (EaaS)**Sample Question Paper - SET 1** +91-7869553517 |  www.mathlove.in

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Class	X	Subject	Mathematics (041)
Chapter	7 - Coordinate Geometry	Time Allowed	10 Minutes
Maximum Marks	4	Date	_____

GENERAL INSTRUCTIONS:

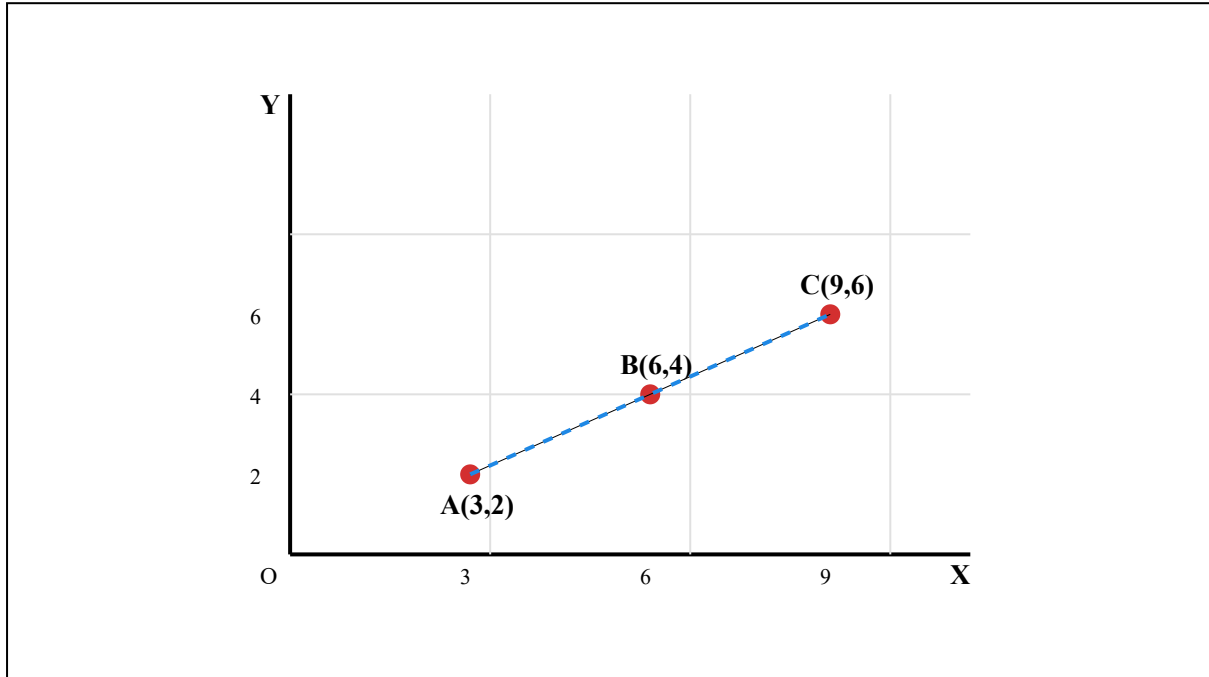
1. This question paper contains **2 questions** from Chapter 7 - Coordinate Geometry.
2. All questions are compulsory.
3. Question 1 carries 2 marks.
4. Question 2 carries 2 marks.
5. Use of calculator is not permitted.

HOW TO SUBMIT:

1. Solve this question paper in your notebook or on loose sheets.
2. Clearly write your **Name, CBSE Roll Number (if available), School Name, Place, and Date** on the first page.
3. Upload your solved paper at our website: www.mathlove.in
4. Check your **detailed report card on the website** after evaluation.
5. For any queries or assistance, WhatsApp us at **+91-7869553517**

SECTION A - 2 MARKS QUESTIONS

Q1. In the figure given below, points A, B, and C are plotted on a coordinate plane. Determine whether the three points A(3, 2), B(6, 4), and C(9, 6) are collinear or not. [2]



[Hint: Check if $AB + BC = AC$ using distance formula]

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SECTION B - 2 MARKS QUESTION

Q2. Points A(-1, y) and B(5, 7) lie on a circle with centre O(2, -3y). Find the value of y. Hence, find the radius of the circle. [2]

[Hint: AB is diameter, so O is mid-point of AB]

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