1.12 Coordinates: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

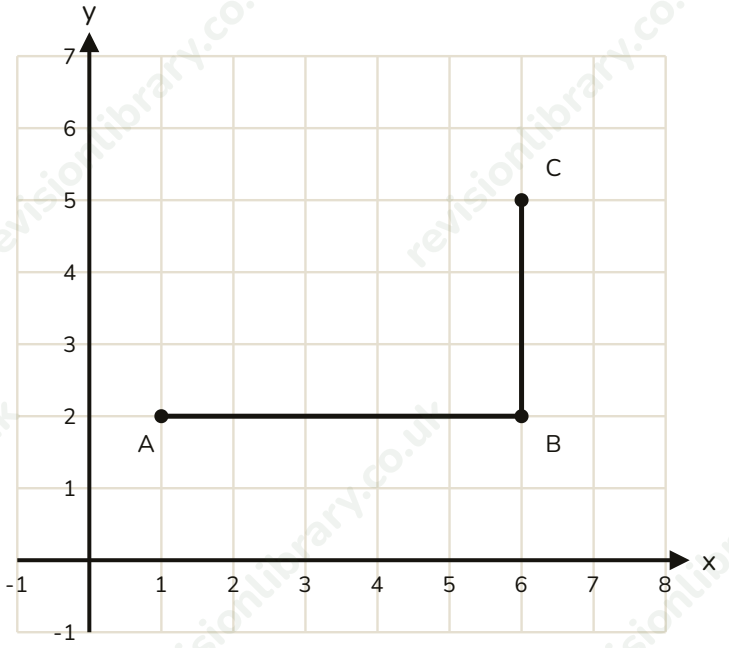
Answer ALL questions. Show all your working.

1 Point M is at (-2, 4). Point N is 5 units to the right and 3 units down from M. Work out the coordinates of N.

(Total for Question 1 is 2 marks)

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2 ABCD is a rectangle drawn on a coordinate grid, with sides parallel to the axes. A = (1, 2), B = (6, 2), C = (6, 5). Find the coordinates of D.



(Total for Question 2 is 2 marks)

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3 Answer the following questions about a coordinate grid.

(a) Write down the coordinates of the origin. **(1)**

.....

(b) A point lies on the y-axis, 5 units above the origin. Write down the coordinates of this point. **(1)**

.....

(Total for Question 3 is 2 marks)

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4 For each point below, state whether it lies in the top-right, top-left, bottom-left or bottom-right region of a coordinate grid.

(a) (-4, 2) **(1)**

(b) (5, -6) **(1)**

(c) (-7, -1) **(1)**

(Total for Question 4 is 3 marks)

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Mark scheme · 1.12 Coordinates: 10-minute Pack

Question 1

correct method, e.g. -2 + 5 and/or 4 - 3 **M1**

(3, 1) cao **A1**

Answer: (3, 1)

Question 2

recognising D has the same x-coordinate as A and the same y-coordinate as C, oe **M1**

(1, 5) cao **A1**

Answer: (1, 5)

Question 3

(a) (0, 0) cao **B1**

(a) Answer: (0, 0)

(b) (0, 5) cao **B1**

(b) Answer: (0, 5)

Question 4

(a) top-left cao **B1**

(a) Answer: Top-left

(b) bottom-right cao **B1**

(b) Answer: Bottom-right

(c) bottom-left cao **B1**

(c) Answer: Bottom-left

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