

2 (a) Using the axes below sketch the line with equation

(i) $y = 6$

(ii) $y + x = 10$

(iii) $y = 2x - 5$

Show the coordinates of any point where each line crosses the coordinate axes.

(3)

(b) Show, by shading on your sketch, the region R defined by the inequalities

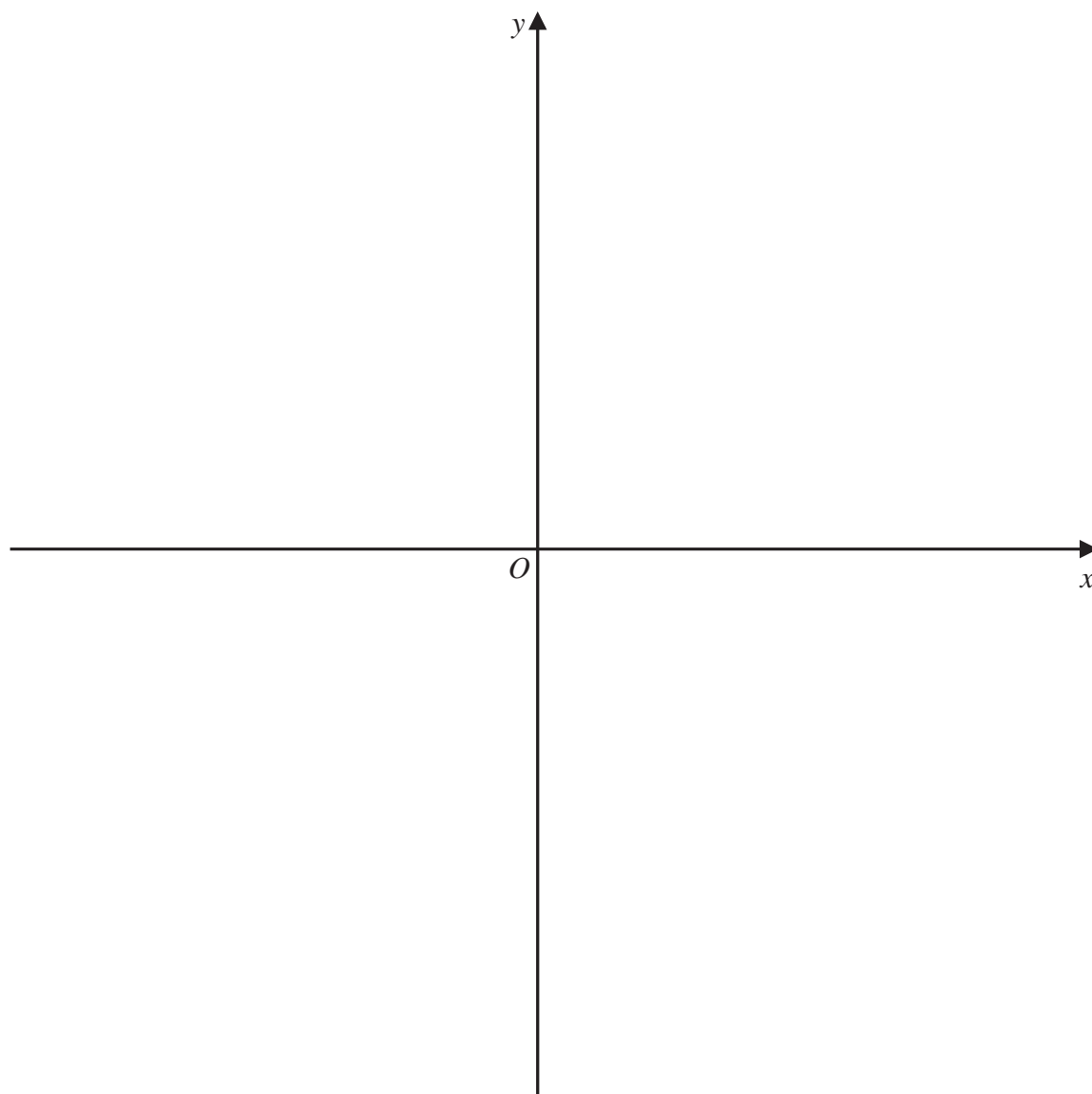
$y \leq 6$

$y + x \leq 10$

$y \geq 2x - 5$

$x \geq 0$

(1)



DO NOT WRITE IN THIS AREA

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Question 2 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 2 is 4 marks)

