Answer all ELEVEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 (a) On the grid below, draw the graph of the line with equation

(i) $4x + 5y = 20$ (ii) $3y - 4x = -12$
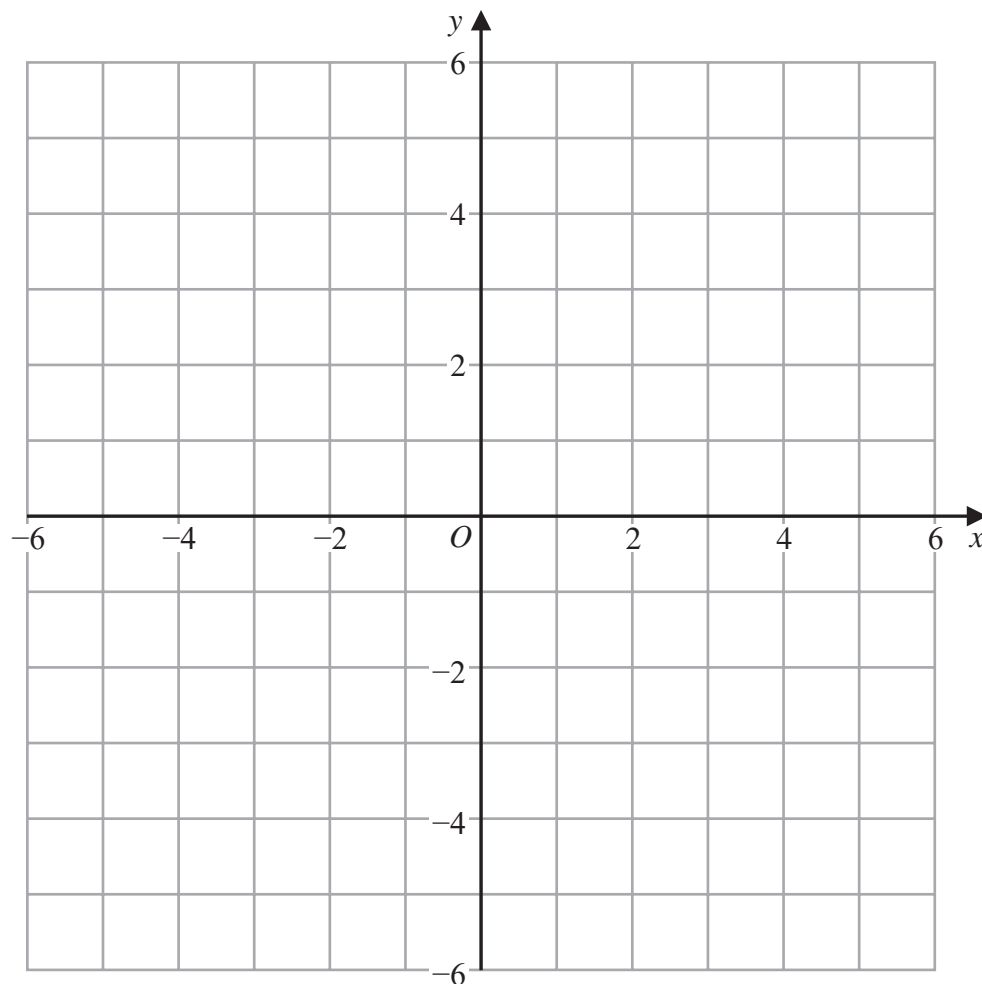
(2)

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

$4x + 5y \leqslant 20$ $3y - 4x \geqslant -12$ $y \leqslant 3$ $x \geqslant 1$

Label the region R.

(2)

Turn over for a spare grid if you need to redraw your graph.

P 6 6 3 0 9 A 0 3 3 6

Question 1 continued

Question 1 continued

Only use this grid if you need to redraw your graph.

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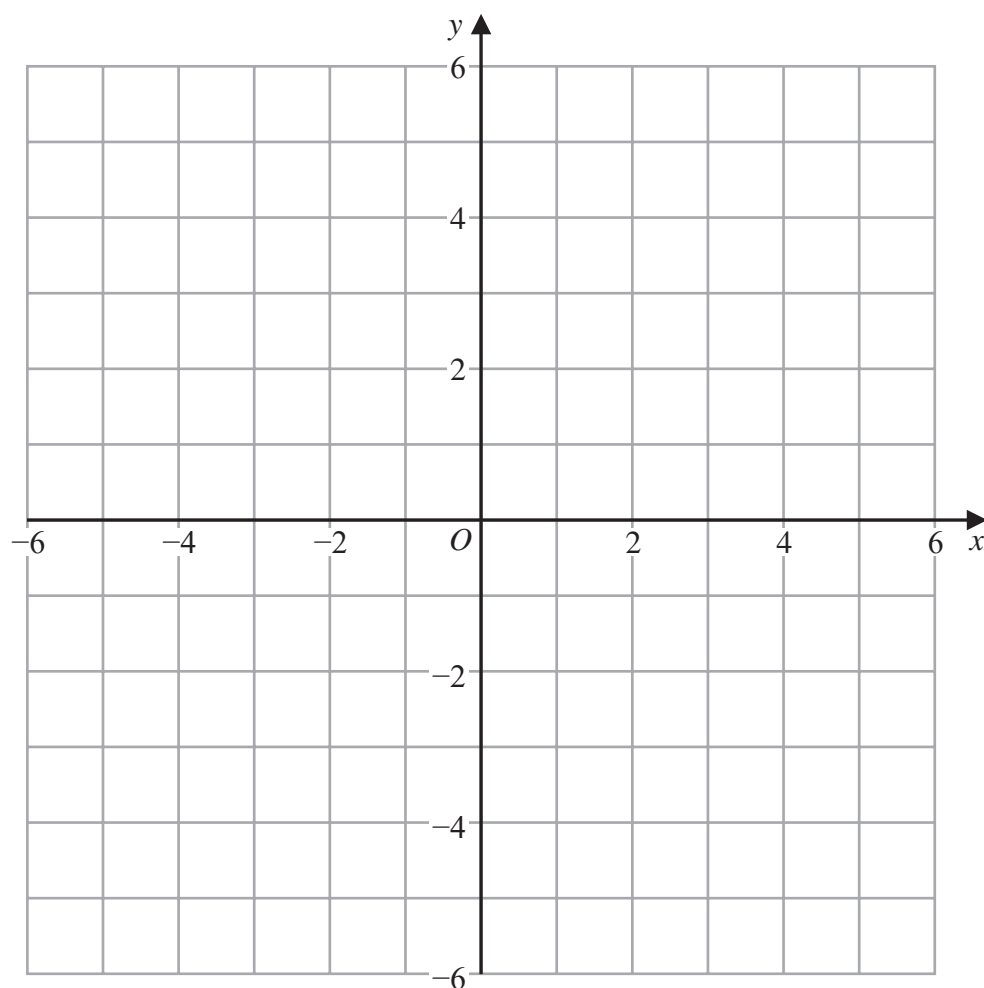
(Total for Question 1 is 4 marks)