

2 (a) On the grid below, draw the line with equation

(i) $5x + 2y = 10$ (ii) $y = x$

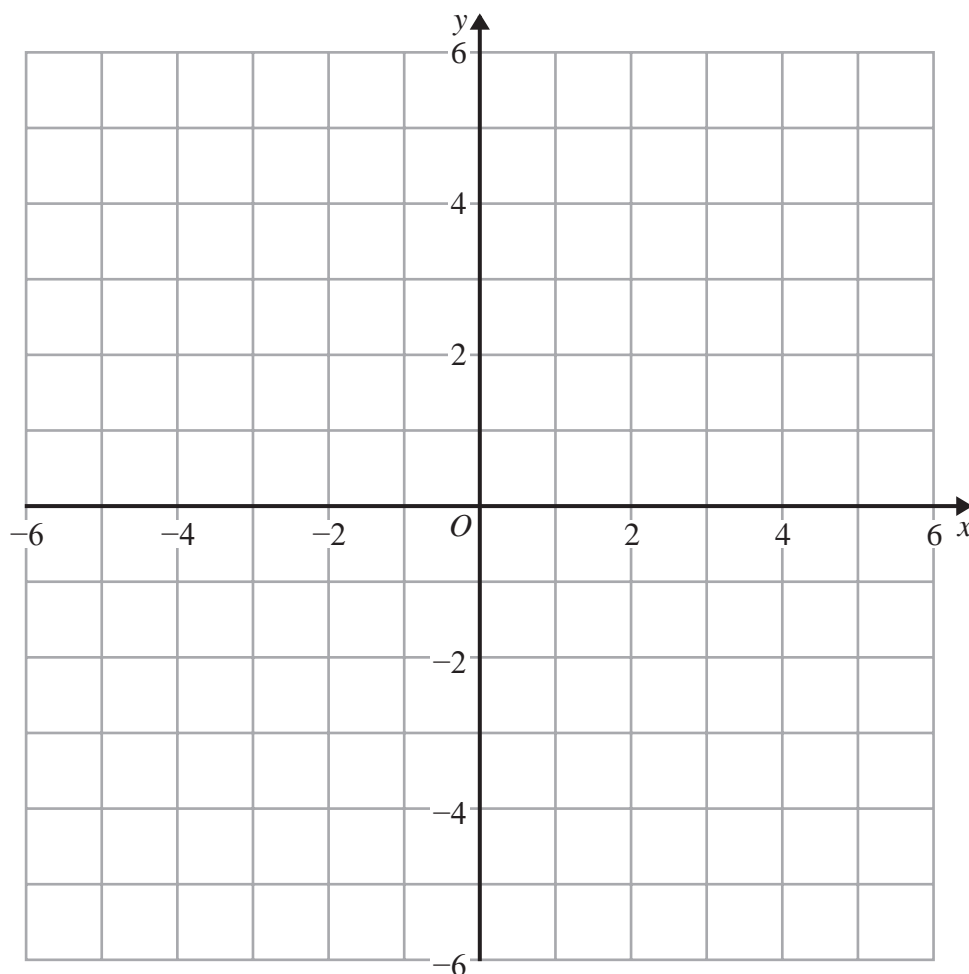
(2)

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

$y \leq x$ $5x + 2y \leq 10$ $y \geq -2$ $x \geq 1$

Label the region R .

(2)

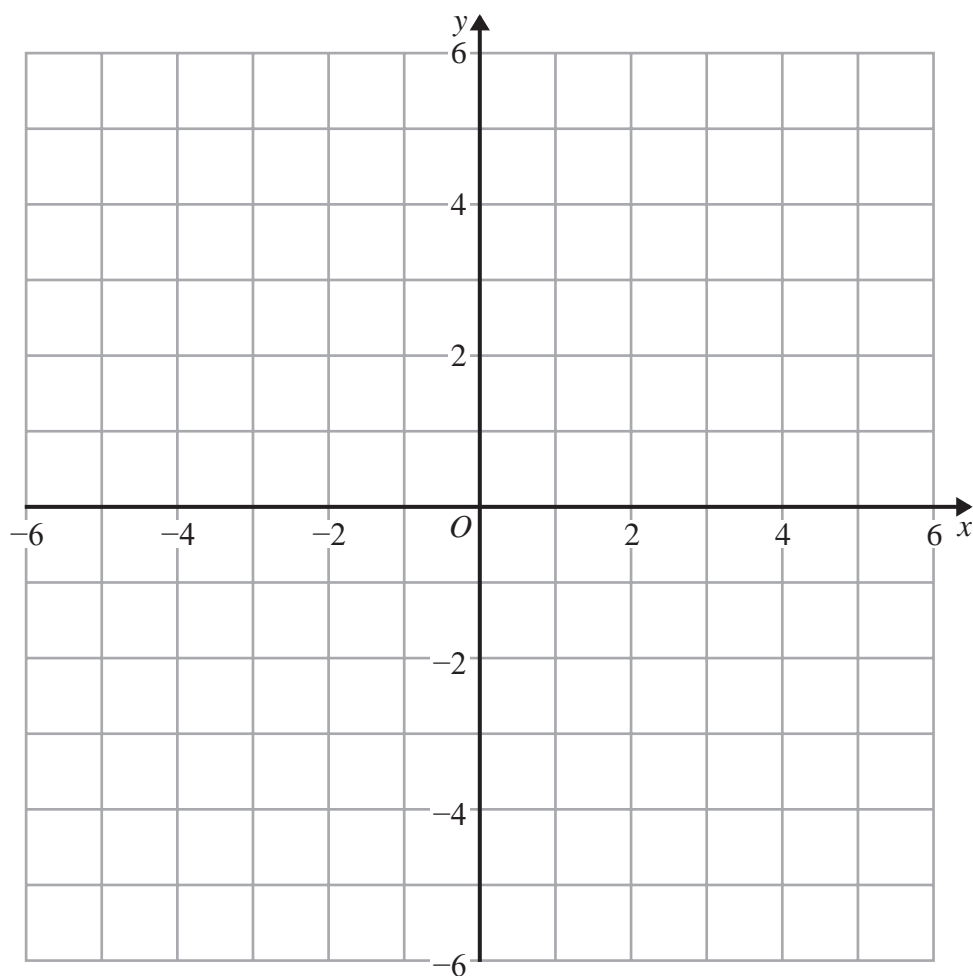


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Question 2 continued**Only use this grid if you need to redraw your graph.****(Total for Question 2 is 4 marks)**