

- 6 (c) Solve the inequality $5x - 6 > 2$
You must show sufficient working.

NOV 08 4H

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(2)

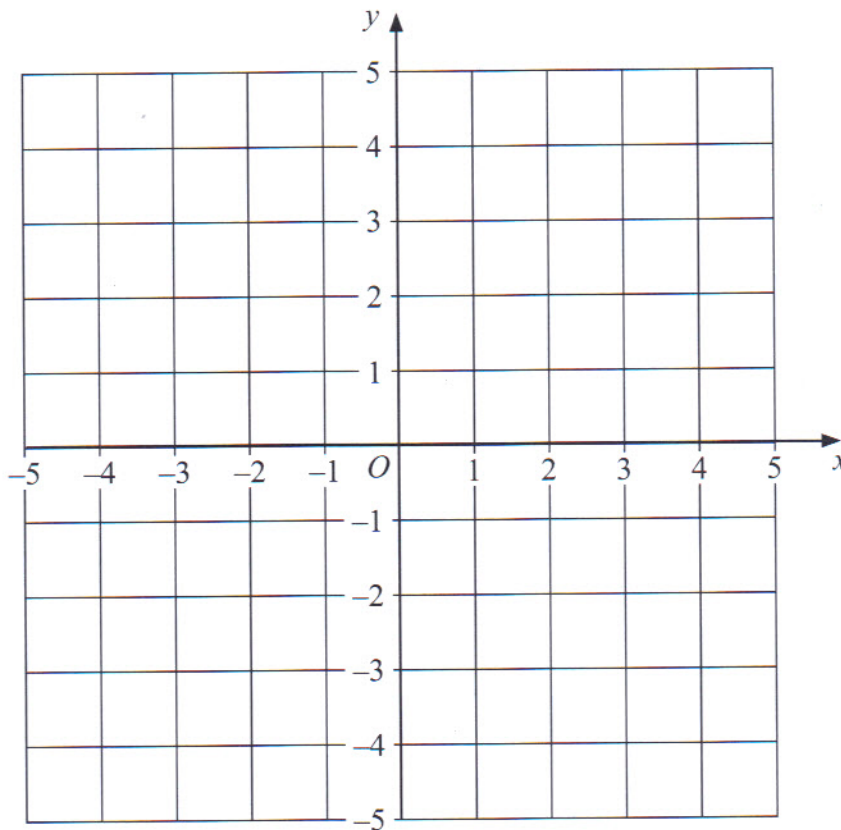
Q6

9. Show, by shading on the grid, the region which satisfies these inequalities

May 06 3H

$$1 \leq x \leq 3 \quad \text{and} \quad -4 \leq y \leq -2$$

Label your region **R**.



(Total 3 marks)

Q9

9. (b) (i) Solve the inequality $4x + 5 \leq 21$

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(ii) n is a positive integer.

Write down all the values of n which satisfy $4n + 5 \leq 21$

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(4)

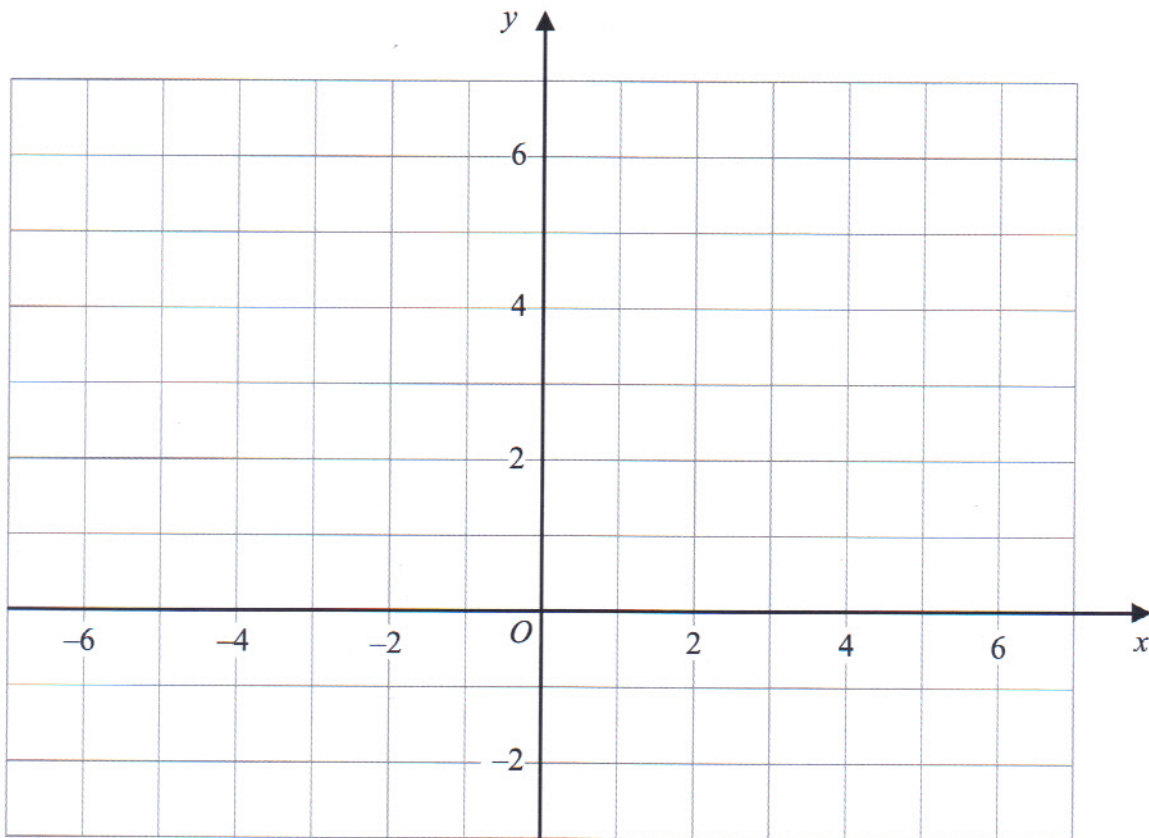
Q9

13. Show, by shading on the grid, the region which satisfies all three of these inequalities. Nov 05 3H

Leave blank

$x \geq 1$ $y \geq x$ $x + 2y \leq 6$

Label your region **R**.



Q13

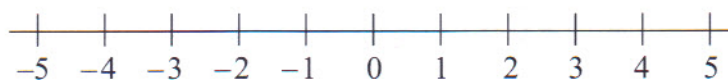
(Total 4 marks)

15. (a) Solve the inequality $x^2 \leq 4$

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(2)

(b) On the number line, represent the solution set of $x^2 \leq 4$



(2)

Q15

(Total 4 marks)

16 (b) Solve the inequality $y^2 < 9$

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(2) Q16

(Total 5 marks)