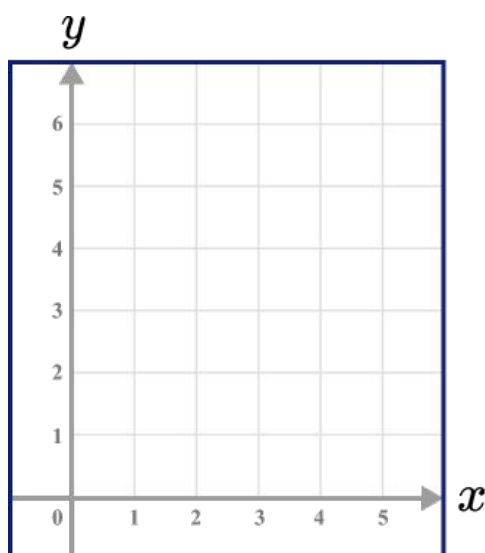# GCSE Exam Questions

Graphing Inequalities | Algebra

GCSE Exam Questions: Graphing Inequalities

1)   On the grid, clearly indicate the region that satisfies all these inequalities.
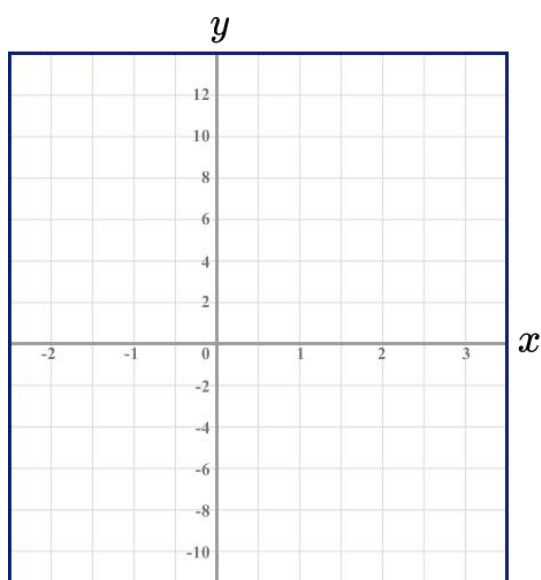
$x < 3$ $y \leq x$ $y > 1$

(3 marks)

2)   On the grid, label the region that satisfies all three of these inequalities.
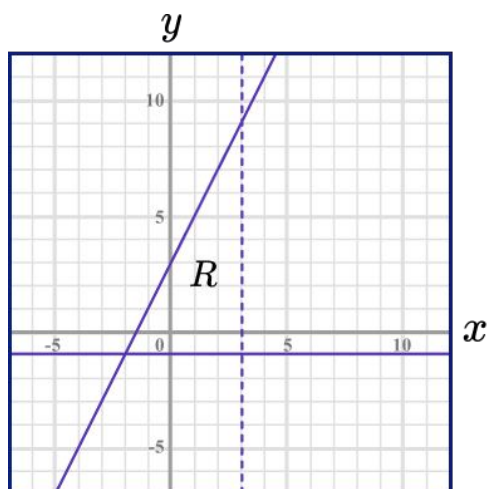
$x + y < 4$ $x > -1$ $y \geq 2$

(3 marks)

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GCSE Exam Questions: Graphing Inequalities

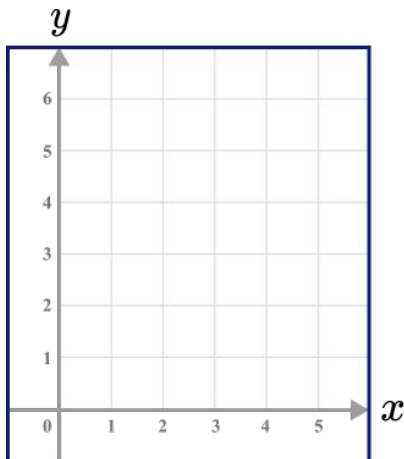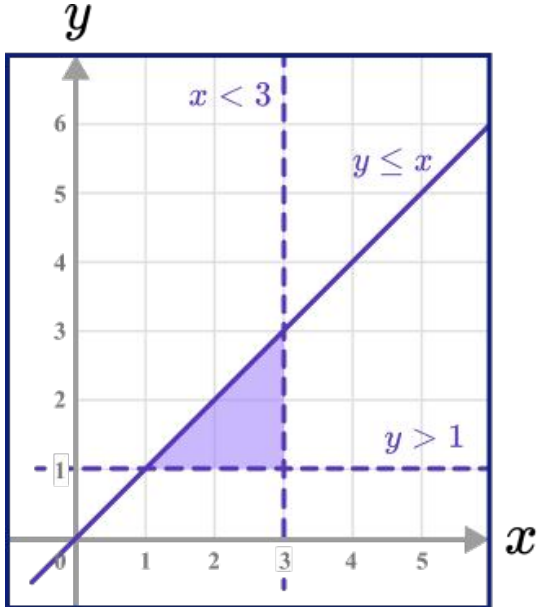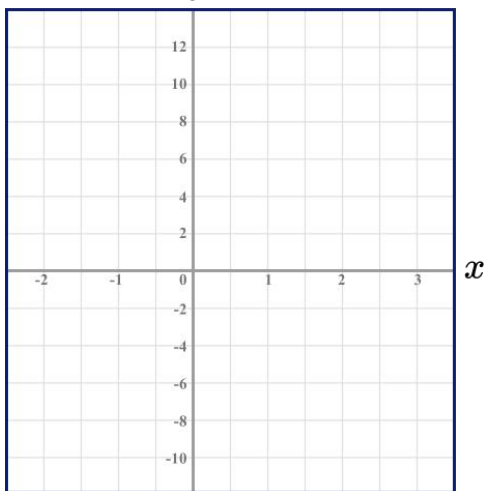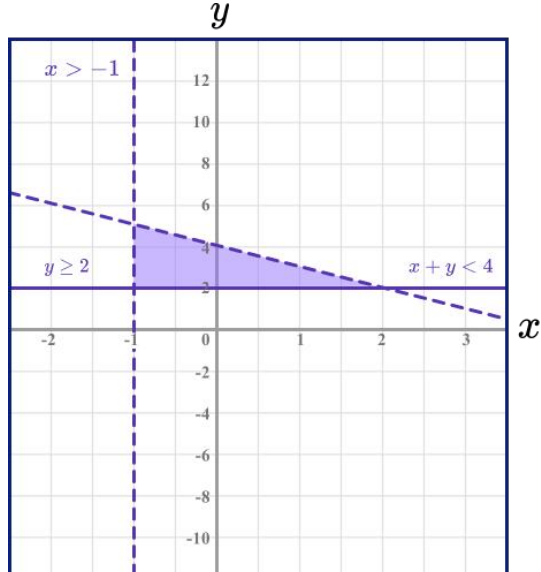**3)**   The region labelled **R** satisfies three inequalities.

State the three inequalities.

- -

(3 marks)

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2

GCSE Exam Questions: Graphing Inequalities Answers

	Question	Answer	Marks
1)	On the grid, clearly indicate the region that satisfies all these inequalities. $x < 3 \qquad y \leq x \qquad y > 1$	Drawing lines Two inequalities correctly represented Correct region shaded, labelled or identified clearly	**(1)** **(1)** **(1)**
2)	On the grid, label the region that satisfies all three of these inequalities. $x + y < 4 \qquad x > -1 \quad \text{and} \quad y \geq 2$	Drawing lines Two inequalities correctly represented Correct region shaded, labelled or identified clearly	**(1)** **(1)** **(1)**

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GCSE Exam Questions: Graphing Inequalities Answers

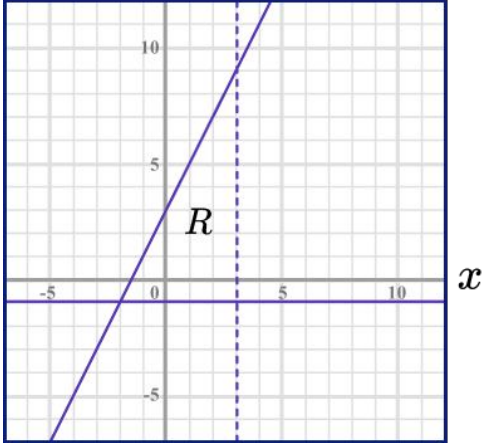|	Question	Answer	Marks
3)	The region labelled **R** satisfies three inequalities. State the three inequalities.	$y \geq -1$ $x < 3$ $y \leq 2x + 3$	**(1)** **(1)** **(1)**

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4

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