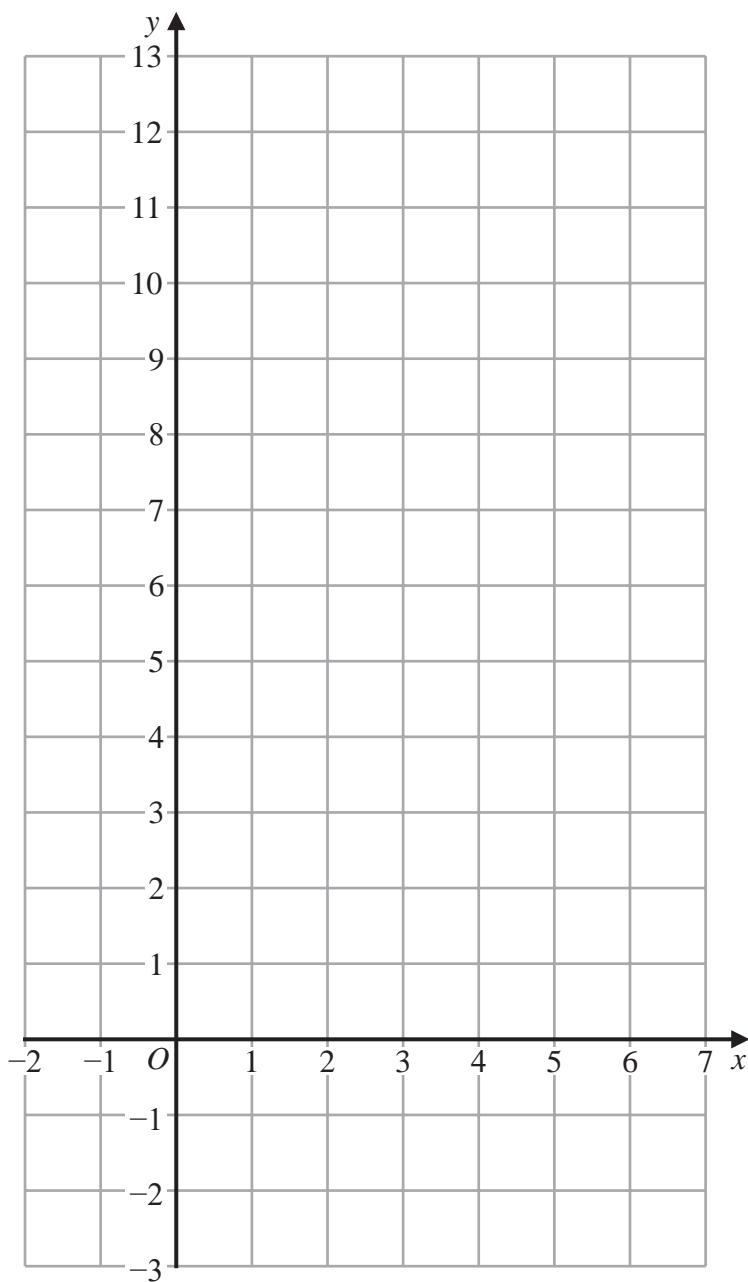


DO NOT WRITE IN THIS AREA

18

(a) On the grid, draw and label the straight line with equation

- (i) $x = 4$
- (ii) $2x + y = 8$
- (iii) $y = 3x - 1$

(3)

(b) On the grid, show by shading, the region **R** defined by the inequalities

$$x \leqslant 4 \quad \text{and} \quad 2x + y \geqslant 8 \quad \text{and} \quad y \leqslant 3x - 1$$

Label the region **R**.

(1)

(Total for Question 18 is 4 marks)