

**3**

(a) Solve  $4x - 3 \leqslant 11$  (2)

(b) Solve  $\frac{y + 8}{2} \geqslant 3$  (2)

- (c) On the grid opposite, by drawing suitable straight lines and using shading, show the region **R** that satisfies the inequalities

$$4x - 3 \leqslant 11$$

$$\frac{y + 8}{2} \geqslant 3$$

$$y \leqslant 2x + 1$$

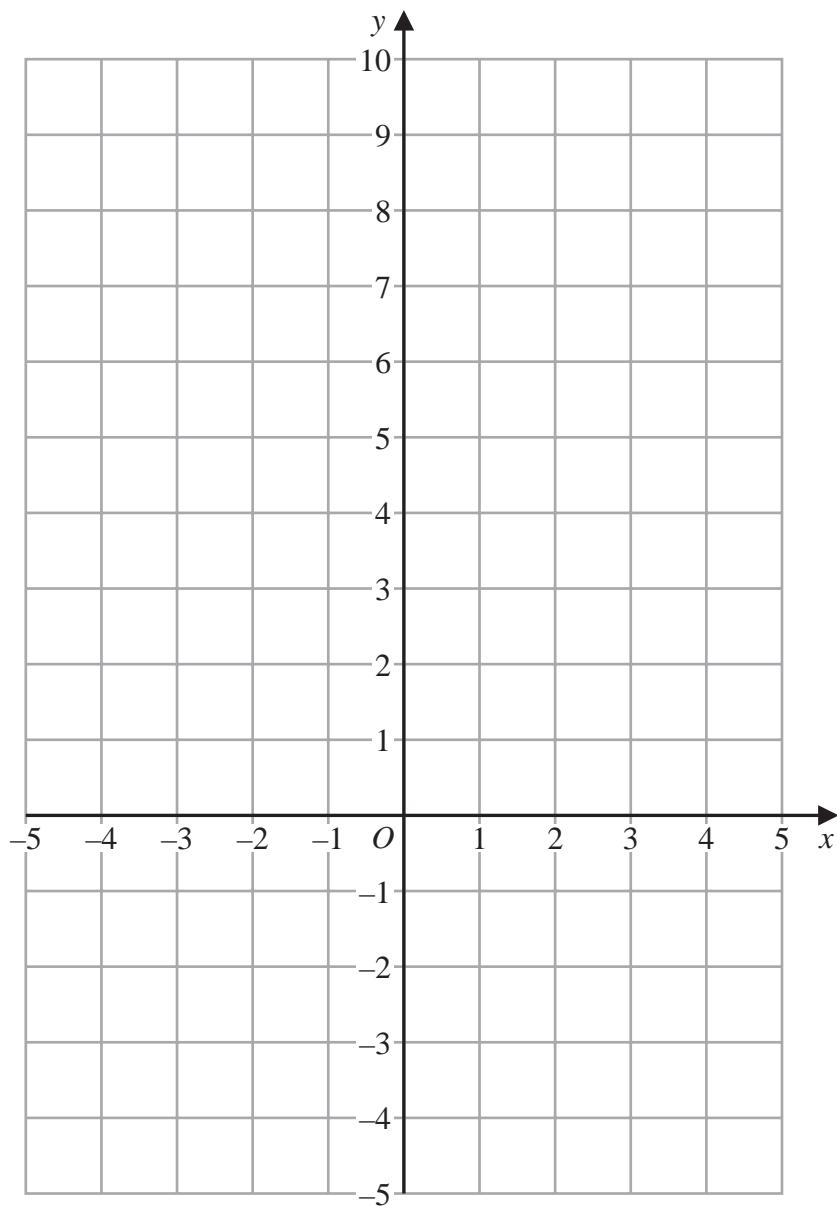
Label the region **R**

(4)

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

**Question 3 continued**

DO NOT WRITE IN THIS AREA

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

P 7 2 9 1 9 A 0 9 4 0

### **Question 3 continued**

**DO NOT WRITE IN THIS AREA**

**DO NOT WRITE IN THIS AREA**

**DO NOT WRITE IN THIS AREA**



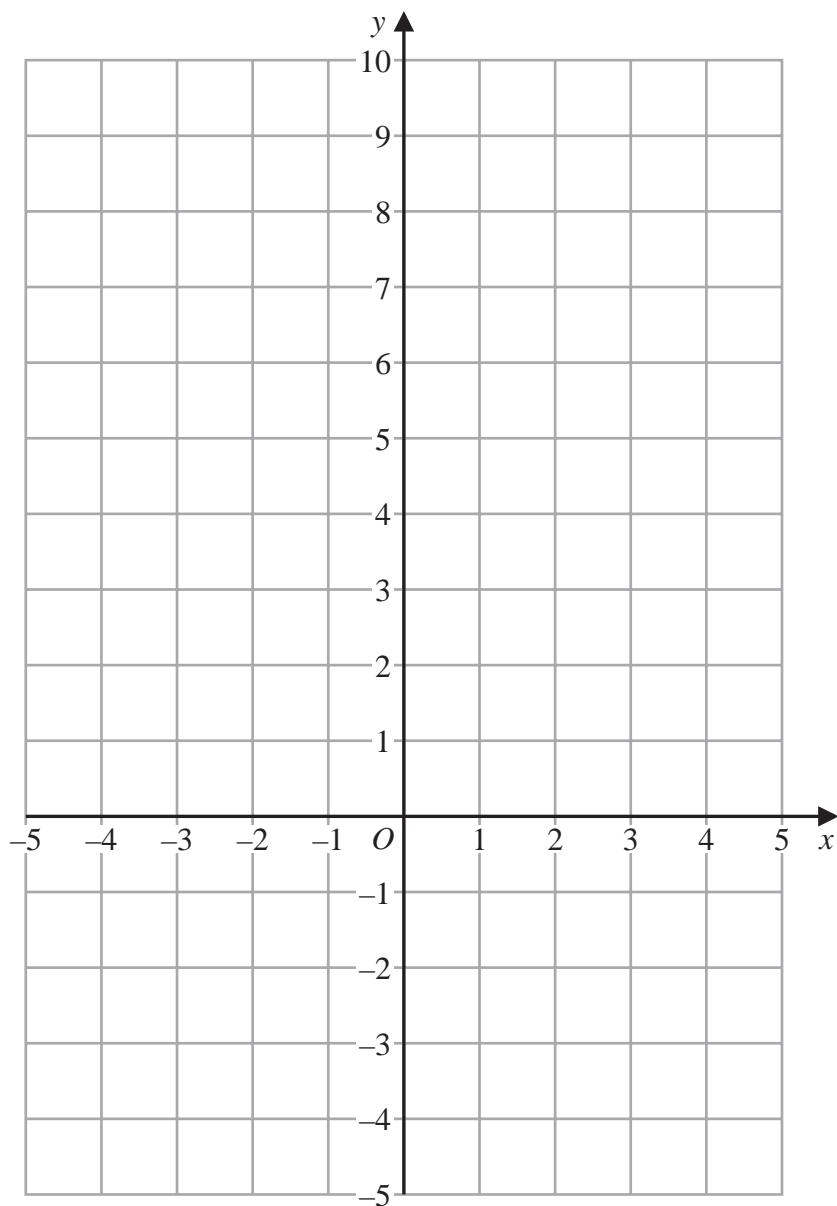
DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

**Question 3 continued**

**Only use this grid if you need to redraw your inequalities.**



(Total for Question 3 is 8 marks)



P 7 2 9 1 9 A 0 1 1 4 0