

1. On the grid, shade the region that satisfies all these inequalities.

$$y > 1$$

$$x + y < 5$$

$$y > 2x$$

Label the region R.

$$y = 1$$

$$x + y = 5$$

$$y = 2x$$

$$x + y = 5$$

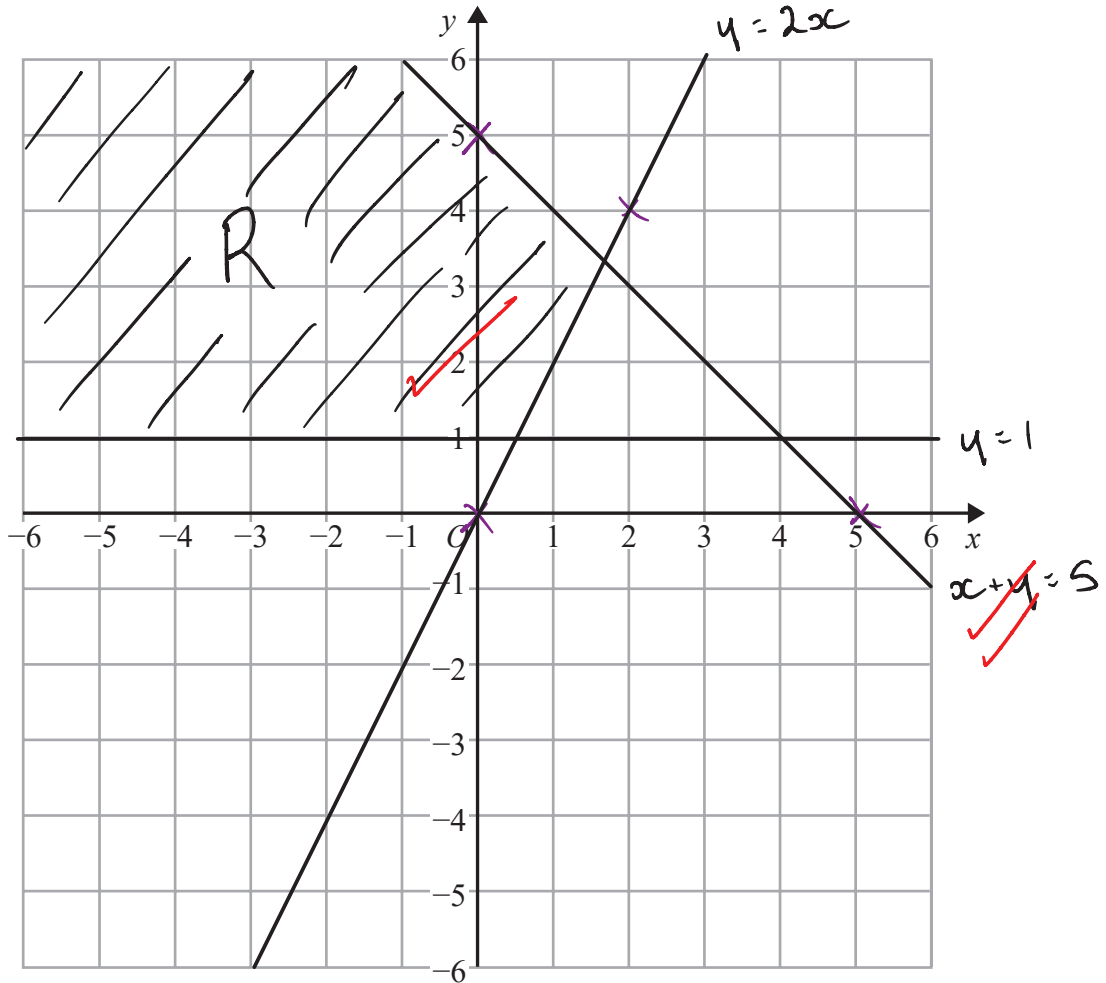
When $x = 0$
 $0 + y = 5$
 $(0, 5)$

When $y = 0$
 $x + 0 = 5$
 $(5, 0)$

$$y = 2x$$

When $x = 0$
 $y = 2 \times 0$
 $y = 0$
 $(0, 0)$

When $x = 2$
 $y = 2 \times 2$
 $y = 4$
 $(2, 4)$



(Total for Question is 3 marks)

2. On the grid show, by shading, the region that satisfies all of these inequalities.

$$2y + 4 < x$$

$$x < 3$$

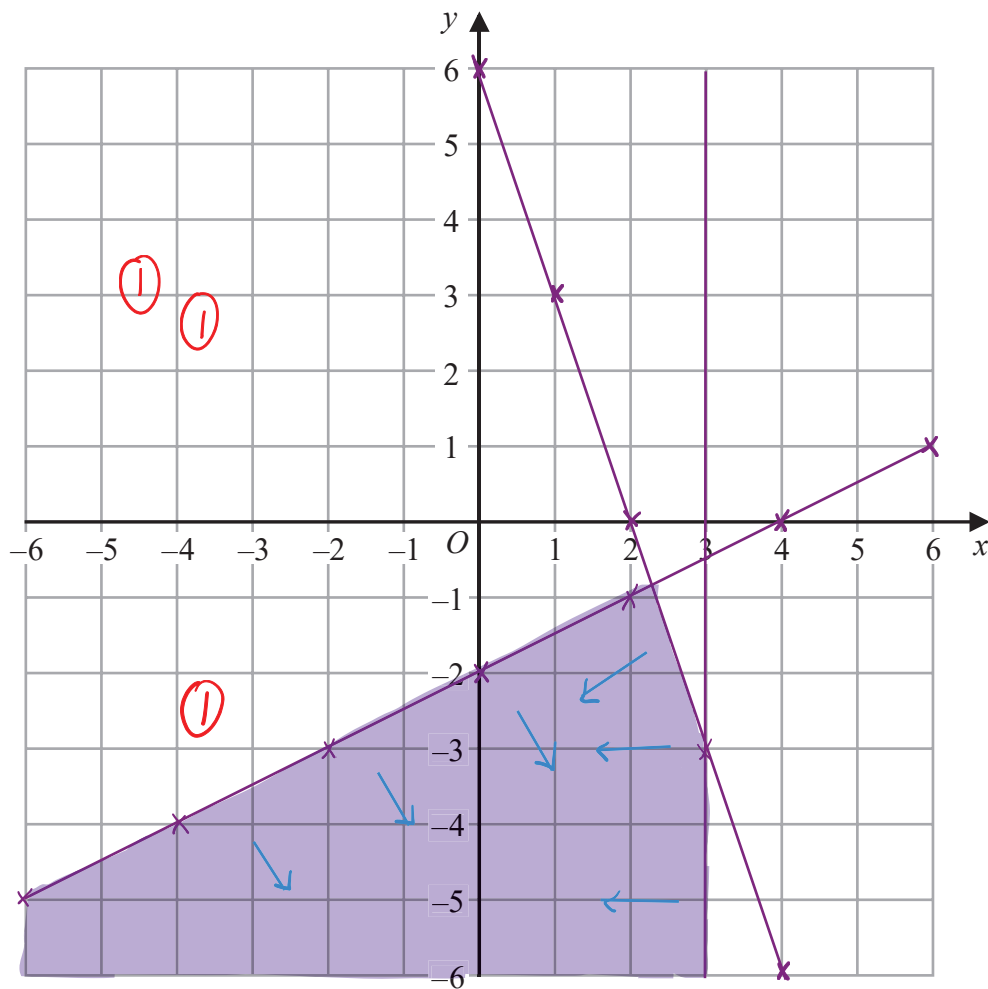
$$y < 6 - 3x$$

Label the region **R**.

$$2y < x - 4$$

$$y < -3x + 6$$

$$y < \frac{1}{2}x - 2$$



(Total for Question is 3 marks)