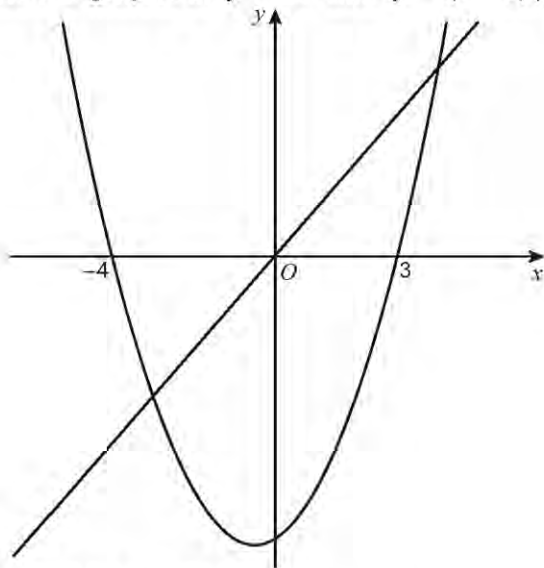


5

The diagram shows the graphs of $y = 2x$ and $y = (x - 3)(x + 4)$.



The region R is defined by the inequalities

$$(x - 3)(x + 4) \leq y \leq 2x \text{ and } x \leq 0$$

Shade the region R on the diagram.

[2 marks]