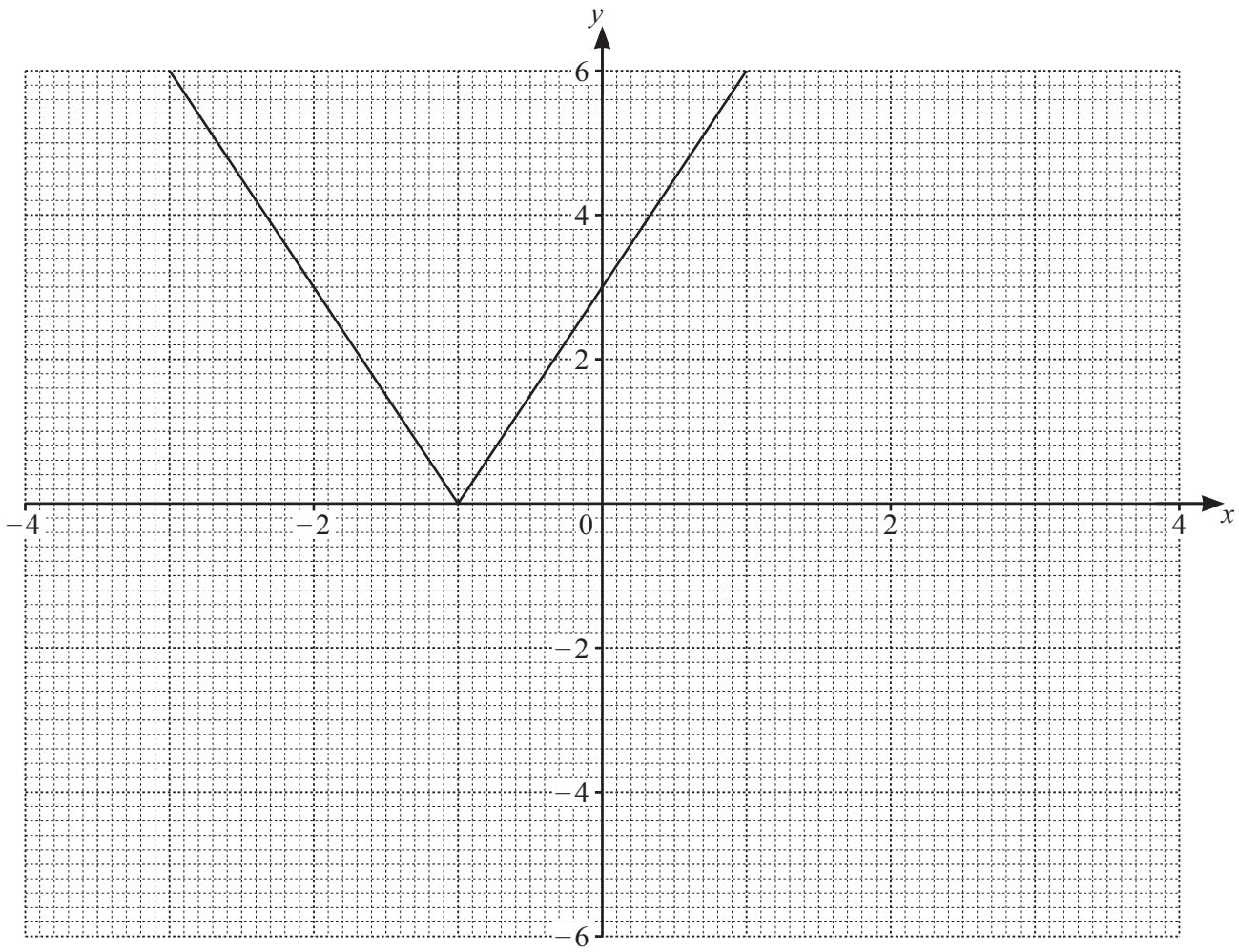
2



The diagram shows the graph of $y = |3x + 3|$.

Use a graphical method to solve the inequality $|3x + 3| \geqslant |x - 2|$. [3]

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3 **(a)** 3 men and 3 women are standing in a line.
The 3 men are standing next to each other.

Find how many different arrangements are possible. [2]

(b) In the 13-letter word MULTIBRANCHED, there are 4 vowels, U, I, A and E.

7 different letters are selected from these 13 letters.

Find how many different selections are possible if the selection includes at least 2 vowels. [3]