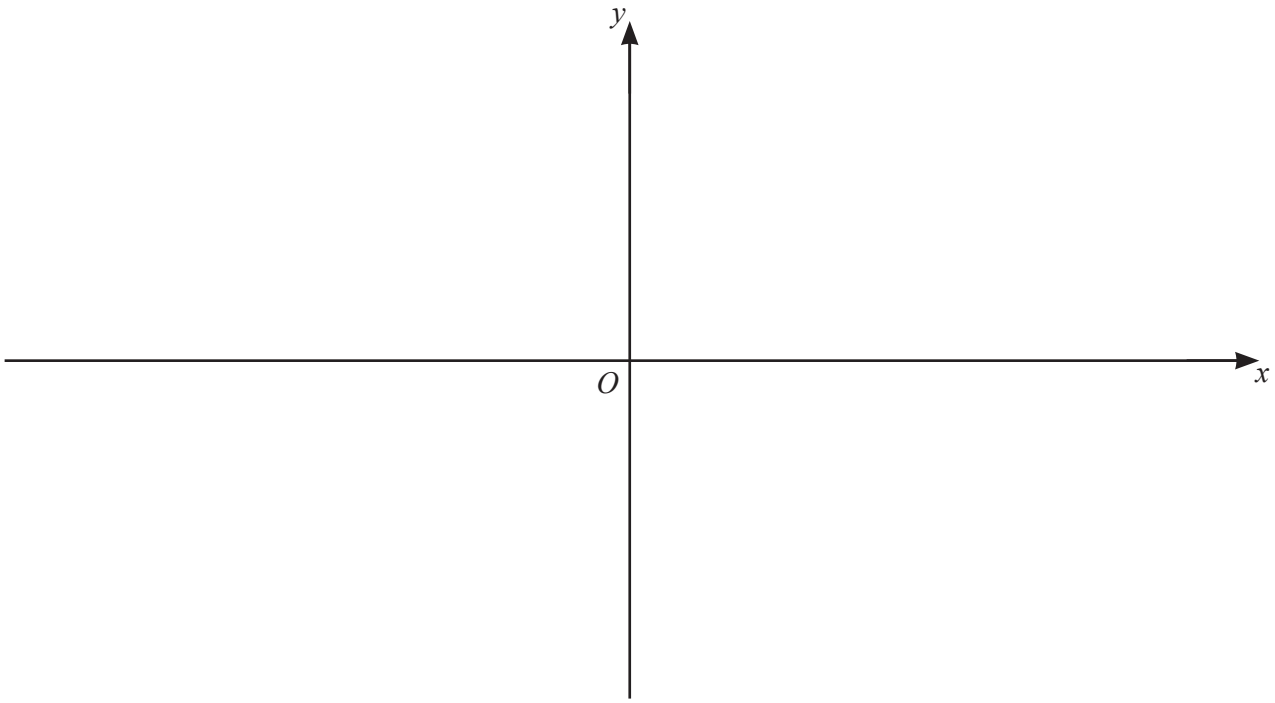
4 **(a)** Write $2x^2 + 3x - 4$ in the form $a(x+b)^2 + c$, where a, b and c are constants. [3]

(b) Hence write down the coordinates of the stationary point on the curve $y = 2x^2 + 3x - 4$. [2]

(c) On the axes below, sketch the graph of $y = |2x^2 + 3x - 4|$, showing the exact values of the intercepts of the curve with the coordinate axes. [3]



(d) Find the value of k for which $|2x^2 + 3x - 4| = k$ has exactly 3 values of x. [1]

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