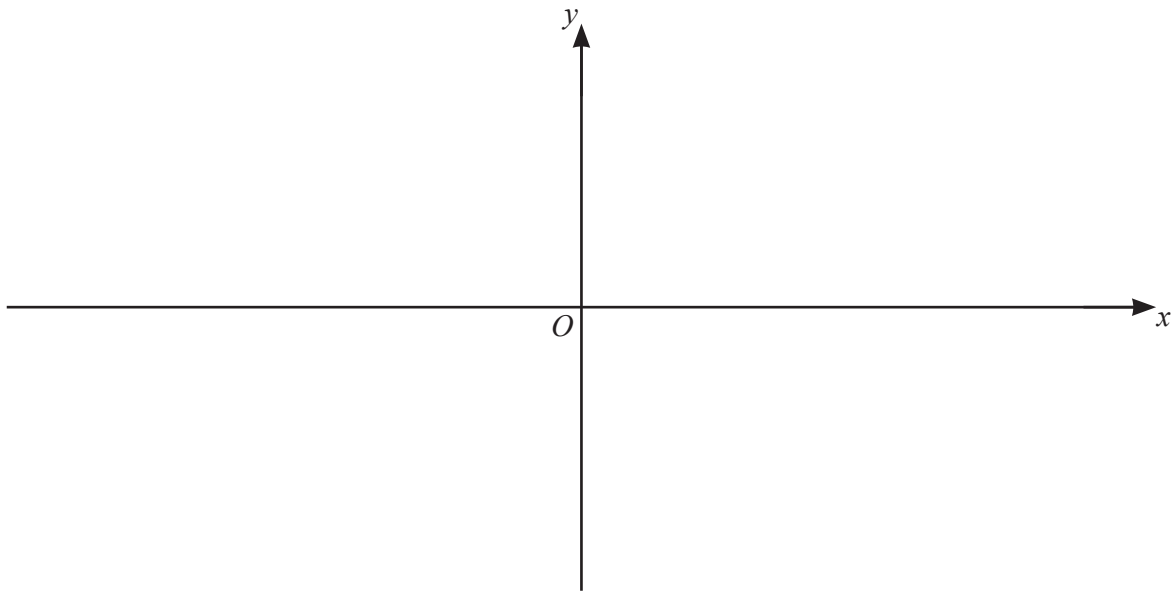
1 **(a)** On the axes, sketch the graph of $y = 5(x+1)(3x-2)(x-2)$, stating the intercepts with the coordinate axes. [3]



(b) Hence find the values of x for which $5(x+1)(3x-2)(x-2) > 0$. [2]

2 Find $\int_3^5 \left(\frac{1}{x-1} - \frac{1}{(x-1)^2}\right) \mathrm{d}x$, giving your answer in the form $a + \ln b$, where a and b are rational numbers. [5]

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