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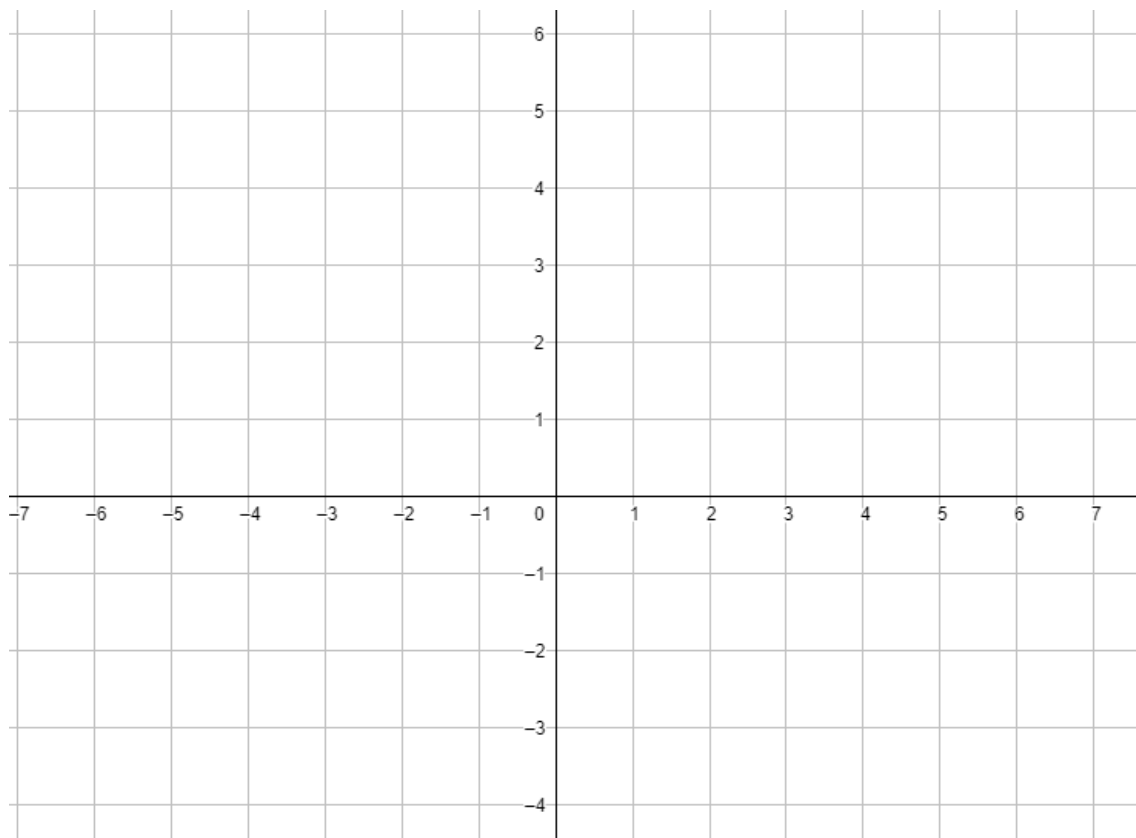
Year 2 (A-Level)

Functions Set 1

The marks shown are for guidance purposes only

**When not specified, round all non-terminating decimals
to 3 significant figures where applicable**

1 Sketch the graph of $y = \frac{1}{x-3} + 5; x \neq 3$



Write down the equations of the vertical and horizontal asymptotes and indicate the point where they intersect

[5marks]

A series of 25 horizontal lines for writing, arranged in a grid with a vertical margin line on the left.

A series of 25 horizontal lines for writing, arranged in a column within a larger rectangular frame.

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