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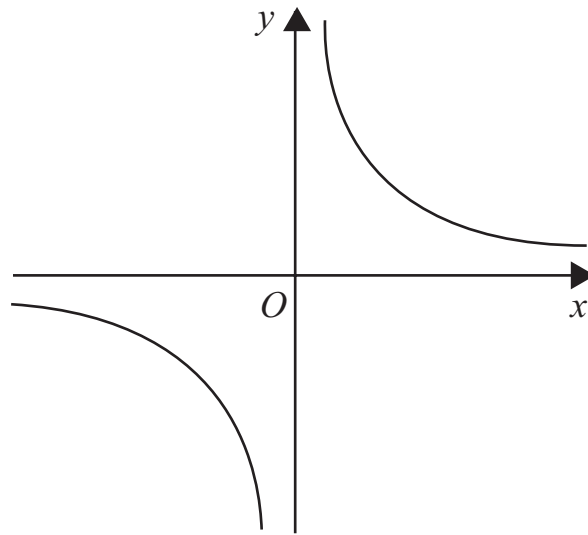
**Figure 1**

Figure 1 shows a sketch of the curve with equation $y = \frac{3}{x}$, $x \neq 0$.

- (a) On a separate diagram, sketch the curve with equation $y = \frac{3}{x+2}$, $x \neq -2$,
showing the coordinates of any point at which the curve crosses a coordinate axis. **(3)**
- (b) Write down the equations of the asymptotes of the curve in part (a). **(2)**



