

7

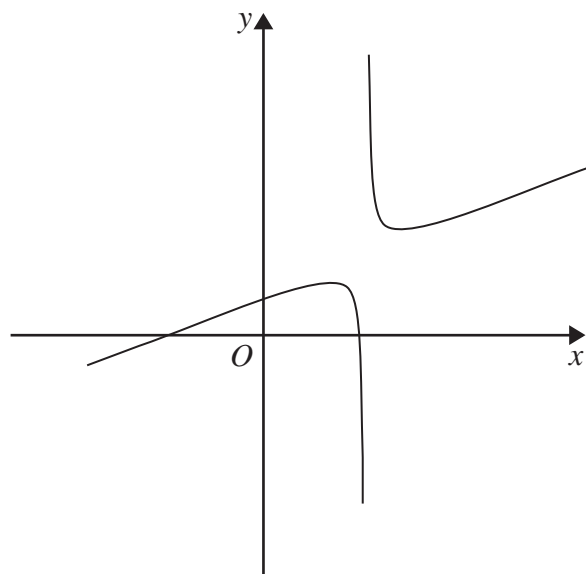


Figure 1

Figure 1 shows the curve with equation $y = \frac{x^2 - 2}{2x - 3}$ where $x \neq \frac{3}{2}$

- (a) Write down an equation of the asymptote to the curve which is parallel to the y -axis. (1)
- (b) Find $\frac{dy}{dx}$ (3)
- (c) Find the coordinates of the stationary points on the curve. (5)



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Question 7 continued

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Question 7 continued**(Total for Question 7 is 9 marks)**

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