

- 6** The curve  $C$  has equation  $y = 2x^3 + 3x^2 - 12x + 1$

The point  $P$  and the point  $Q$  are the turning points on  $C$ .

Find an equation of the straight line that passes through  $P$  and  $Q$ .

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**Question 6 continued**

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**(Total for Question 6 is 8 marks)**

