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26 (a) Use the factor theorem to show that  $(2x - 1)$  is a factor of  $6x^3 + 23x^2 - 5x - 4$

(2)

(b) Hence, solve  $\frac{6x^3 + 23x^2 - 5x - 4}{2x - 1} = 0$

Show clear algebraic working.

(4)

(Total for Question 26 is 6 marks)

