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24 $(x + 2)$ is a factor of $x^3 - 3x^2 + ax + 12$ where a is a constant.

(a) Show that $a = -4$

(2)

(b) Factorise completely $x^3 - 3x^2 - 4x + 12$

(3)

(Total for Question 24 is 5 marks)

