05	1b	Factorise $x^3 - 27$	2

$$x^3 - 27 = (x - 3)(x^2 + 3x + 9)$$

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by the Board of Studies

Board of Studies: Notes from the Marking Centre

In better responses candidates demonstrated knowledge of the correct rule by stating the factors without wasting time testing various expansions, trying to obtain a result they should have known.

Source: http://www.boardofstudies.nsw.edu.au/hsc_exams/