05	2c	(i) Find $\int \dfrac{6x^2}{x^3+1}\,dx$	2

$$\int \frac{6x^2}{x^3+1}\,dx = 2\int \frac{3x^2}{x^3+1}\,dx$$
$$= 2\log_e(x^3+1) + c$$

* 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

Weaker responses showed a lack of competency with the use of brackets. A small number of responses contained little or no working, which made it impossible to award part marks.

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