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11	1d	Differentiate $\ln(5x + 2)$ with respect to x .	2
$\frac{d}{dx} [\ln(5x + 2)] = \frac{5}{5x + 2}$			State Mean: 1.56/2

* 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

Many candidates did not use the chain rule and obtained $\frac{d}{dx}(\ln(5x + 2)) = \frac{1}{5x + 2}$.

Some treated the function as a product by inappropriately using $u = \ln$, $v = 5x + 2$ and incorrectly obtained $u' = \frac{1}{x}$.

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