Want more revision exercises? Get MathsFit - New from projectmaths.

12	11g	Find $\int_{0}^{\frac{\pi}{2}} \sec^2 \frac{x}{2} dx$.	3
	$\int_{0}^{\frac{\pi}{2}} 0$		e Mean: .09/3

^{*} These solutions have been provided by <u>projectmaths</u> and are not supplied or endorsed by the Board of Studies

Board of Studies: Notes from the Marking Centre

In better responses, candidates used the table of standard integrals to arrive at the primitive $2 \tan \frac{x}{2}$ and then substituted the limits correctly. In weaker responses,

candidates arrived at a primitive of the form $a \tan(bx)$ where $a \neq 2$ and $b \neq \frac{1}{2}$.

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