08	1e	Expand and simplify $(\sqrt{3} - 1)(2\sqrt{3} + 5)$	2

$$(\sqrt{3} - 1)(2\sqrt{3} + 5) = 2\sqrt{9} + 5\sqrt{3} - 2\sqrt{3} - 5$$
$$= 6 + 3\sqrt{3} - 5$$
$$= 3\sqrt{3} + 1$$

* 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 weaker responses, candidates expanded the expression correctly but were unsuccessful in simplifying the result. Errors were made in the addition and subtraction of like terms. Many did not simplify fully, giving the answer as $6+3\sqrt{3}-5$ instead of $1+3\sqrt{3}$.

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