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|--|-----------|---------------------|------------------------------|
| 09 | 1c | Solve $ x + 1 = 5$ | 2 |
| $ x + 1 = 5$ Two cases: $x + 1 = 5$ $x = 5 - 1$ $x = 4$ $\therefore x = 4, -6$ | | | State Mean: 1.87/2 |

* 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

Most responses proceeded by splitting the part into two linear components. However, some candidates chose to square both sides of the equation and to deal instead with the resulting quadratic equation. Intuitive arguments based upon distances from $x = -1$ were rare but generally successful.

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