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| | | | |
|---------------------------------------------------------------------------------|-----------|-------------------------|------------------------------|
| 11 | 1e | Solve $2 - 3x \leq 8$. | 2 |
| $2 - 3x \leq 8$ $-3x \leq 8 - 2$ $\frac{-3x}{-3} \leq \frac{6}{-3}$ $x \geq -2$ | | | State Mean: 1.75/2 |

* 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

Better responses to this part showed all steps in finding the answer. Some candidates divided by a negative number incorrectly, simplifying $-3x \leq 6$ to either $x \geq 2$ or $x \leq -2$. Others treated the problem as if it involved absolute values, solving $-8 \leq 2 - 3x \leq 8$.

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