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12	3	The quadratic equation $x^2 + 3x - 1 = 0$ has roots α and β . What is the value of $\alpha\beta + (\alpha + \beta)$? (A) 4 (B) 2 (C) -4 (D) -2	1
C $x^2 + 3x - 1 = 0$ $\alpha + \beta = \frac{-b}{a}$ $= -3$ $\alpha\beta = \frac{c}{a}$ $= -1$ $\alpha\beta + (\alpha + \beta) = -1 + (-3)$ $= -4$			State Mean: 0.84

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by the Board of Studies