2013 **1** What are the solutions of $2x^2 - 5x - 1 = 0$? **1**

(A) $x = \dfrac{-5 \pm \sqrt{17}}{4}$ (B) $x = \dfrac{5 \pm \sqrt{17}}{4}$ (C) $x = \dfrac{-5 \pm \sqrt{33}}{4}$ (D) $x = \dfrac{5 \pm \sqrt{33}}{4}$

D

$$2x^2 - 5x - 1 = 0$$

$$x = \frac{5 \pm \sqrt{(-5)^2 - 4(2)(-1)}}{2(2)}$$

$$= \frac{5 \pm \sqrt{33}}{4}$$

State Mean: **0.79**

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by the Board of Studies