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

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

(B)
$$x = \frac{5 \pm \sqrt{17}}{4}$$

(C)
$$x = \frac{-5 \pm \sqrt{33}}{4}$$

(D)
$$x = \frac{5 \pm \sqrt{33}}{4}$$

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

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

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

State Mean: 0.79

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