



Solve Using The Quadratic Formula

solutions on next page

$$2x^2 - 13x - 7 = 0$$

solution

$$2x^2 - 13x - 7 = 0$$

$$\begin{array}{ccc} \uparrow & \uparrow & \uparrow \\ a & b & c \end{array}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{-(-13) \pm \sqrt{(-13)^2 - 4(2)(-7)}}{2(2)}$$

$$x = \frac{13 \pm \sqrt{169 + 56}}{4}$$

$$x = \frac{13 \pm \sqrt{225}}{4}$$

$$x = \frac{13 \pm 15}{4}$$

$$x_1 = \frac{13 + 15}{4}$$

$$x_2 = \frac{13 - 15}{4}$$

$$x_1 = \frac{28}{4} = 7$$

$$x_2 = \frac{-2}{4} = -\frac{1}{2}$$

# ALGEBRA TEST HELPER

[www.AlgebraTestHelper.com](http://www.AlgebraTestHelper.com)

