

Solve the quadratic equation

$$15x^2 + 2x = 1$$

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

$$x_1 = \frac{-2 + \sqrt{2^2 - 4 \cdot 15 \cdot (-1)}}{2 \cdot 15}$$

$$x_1 = \frac{-2 + \sqrt{64}}{2 \cdot 15} = \frac{-2 + 8}{30} = \frac{1}{5}$$

$$x_2 = \frac{-2 - \sqrt{64}}{2 \cdot 15} = \frac{-2 - 8}{30} = \frac{-1}{3}$$