Quadratische Gleichungen Aufgabe 36

$6x^2 + 7x = 3$

$6x^2 + 7x = 3 \mid -3$

$6x^2 + 7x - 3 = 0$

A = 6 ; B = 7 ; C = -3

$$x_{1,2} = \frac{-7 \pm \sqrt{7^2 - 4 * 6 * (-3)}}{2 * 6}$$

$$x_{1,2} = \frac{-7 \pm \sqrt{49 + 72}}{12}$$

$$x_{1,2} = \frac{-7 \pm \sqrt{121}}{12}$$

$$x_{1,2} = \frac{-7 \pm 11}{12}$$

$$\mathbf{x_1 = \frac{4}{12} = \frac{1}{3}}$$

$$\mathbf{x_2 = \frac{-18}{12} = \frac{-3}{2} = -1{,}5}$$