Quadratische Gleichungen Aufgabe 38

$20x^2 + x = 12$

$20x^2 + x = 12 \mid -12$

$20x^2 + x - 12 = 0$

$A = 20 ; B = 1 ; C = -12$

$$x_{1,2} = \frac{-1 \pm \sqrt{1^2 - 4 * 20 * (-12)}}{2 * 20}$$

$$x_{1,2} = \frac{-1 \pm \sqrt{1 + 960}}{40}$$

$$x_{1,2} = \frac{-1 \pm \sqrt{961}}{40}$$

$$x_{1,2} = \frac{-1 \pm 31}{40}$$

$$\mathbf{x_2 =} \frac{30}{40} = \mathbf{\frac{3}{4}}$$

$$\mathbf{x_1 =} \frac{-32}{40} = \mathbf{-\frac{4}{5}}$$