

Quadratische Gleichungen Aufgabe 11

$$\left(x + \frac{1}{2}\right)\left(x - \frac{1}{2}\right) = \frac{5}{16}$$

$$x^2 - \frac{1}{4} = \frac{5}{16}$$

$$x^2 - \frac{4}{16} = \frac{5}{16} \quad | + \frac{4}{16}$$

$$x^2 = \frac{9}{16} \quad | \sqrt{\quad}$$

$$x_{1,2} = \pm \sqrt{\frac{9}{16}} = \pm \frac{3}{4}$$

$$x_1 = \frac{3}{4}$$

$$x_2 = -\frac{3}{4}$$