

## Quadratische Gleichungen Aufgabe 44

$$x^2 - 6x + 8 = 0$$

$$x^2 - 6x + 8 = 0 \quad | -8$$

$$x^2 - 6x = -8$$

$$x^2 - 6x + \left(\frac{-6}{2}\right)^2 = -8 + \left(\frac{-6}{2}\right)^2$$

$$x^2 - 6x + 9 = 1$$

$$(x - 3)^2 = 1 \quad | \sqrt{\quad}$$

$$x - 3 = \pm 1 \quad | +3$$

$$\mathbf{x_2 = 1 + 3 = 4}$$

$$\mathbf{x_1 = -1 + 3 = 2}$$