4 Quadratische Gleichungen

$$x^2 = a \Rightarrow x = \sqrt{a}$$

$$\vee$$

$$x = -\sqrt{a}$$

Satz von Vieta

$$x^2 - \underbrace{6}_{b}x + \underbrace{5}_{c} = 0$$

a

$$\hookrightarrow (x^{b} - 1)(x^{c} - 5) = 0$$

$$\Rightarrow x = 1 \vee x = 5$$

"Lösungsformel:

$$ax^2 + bx + c = 0 \quad | : a$$

$$x^2 + \frac{b}{a}x + \frac{c}{a} = 0$$

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