

Parabelgleichungen

Allgemeine Form

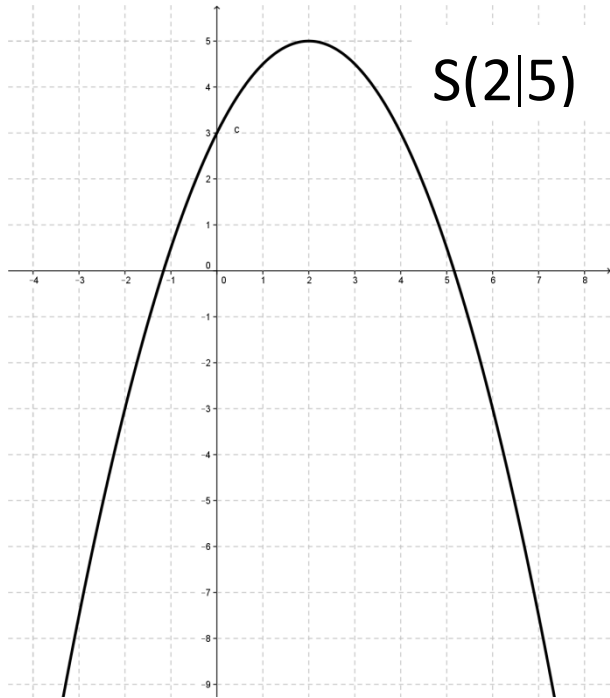
$$y = ax^2 + bx + c$$

$$y = -0,5x^2 + 2x + 3$$

$$y = -0,5(x^2 - 4x + 2^2 - 4) + 3$$

Scheitelform

$$y = -0,5(x - 2)^2 + 5 \quad S(2|5)$$



Scheitelform

$$y = a(x - x_S)^2 + y_S$$

$$S(-3|-1,5) \quad y = \frac{1}{8}(x + 3)^2 - 1,5$$

$$y = \frac{1}{8}(x^2 + 6x + 9) - 1,5$$

Allgemeine Form

$$y = \frac{1}{8}x^2 + \frac{3}{4}x - \frac{3}{8}$$

