

$$f(0) = 3,8$$

$$f(5,3) = 0$$

$$\text{I } a \cdot 0^2 + e = 3,8$$

$$\text{II } a \cdot 5,3^2 + e = 0$$

$$\text{I } e = 3,8$$

$$\text{II } 5,3^2 a + e = 0$$

e in II einsetzen

$$5,3^2 a + 3,8 = 0 \quad | -3,8$$

$$28,09 a = -3,8 \quad | :28,09$$

$$a = -\frac{380}{2809} x^2 + \frac{19}{5}$$

$$f(x) = -\frac{380}{2809} x^2 + \frac{19}{5}$$

$$f(x) = ax^2 + e$$

