

$$f(x) = x^2 - 15x + 14$$

$$x^2 - 15x + 14 = x^2 - 2 \cdot \frac{15}{2} x + \frac{225}{4} - \frac{225}{4} + 14 =$$

$$= (x - 7,5)^2 - \frac{225 - 56}{4} = (x - 7,5)^2 - \frac{169}{4}$$

$$x_{\text{G}} = \text{min } 7,5$$

$$y_{\text{G}} = f_{\text{min}} = \cancel{-67,25} - 42,25$$