

ZAD 3

$$f(x) = (x-3)^2 - 2$$

$$y=1$$

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

$$x^2 - 6x + 7 - 1 = 0$$

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

$$\Delta = 36 - 4 \cdot 6$$

$$\Delta = 36 - 24 = 12$$

$$\sqrt{\Delta} = 2\sqrt{3}$$

$$x_1 = \frac{6 - 2\sqrt{3}}{2} = 3 - \sqrt{3}$$

$$x_2 = \frac{6 + 2\sqrt{3}}{2} = 3 + \sqrt{3}$$

2 PUNKTY X PROSTA  $y=1$