

$$y = 0^2 + 0 - 1 = -1$$

3) Teme parabole: x_T, y_T

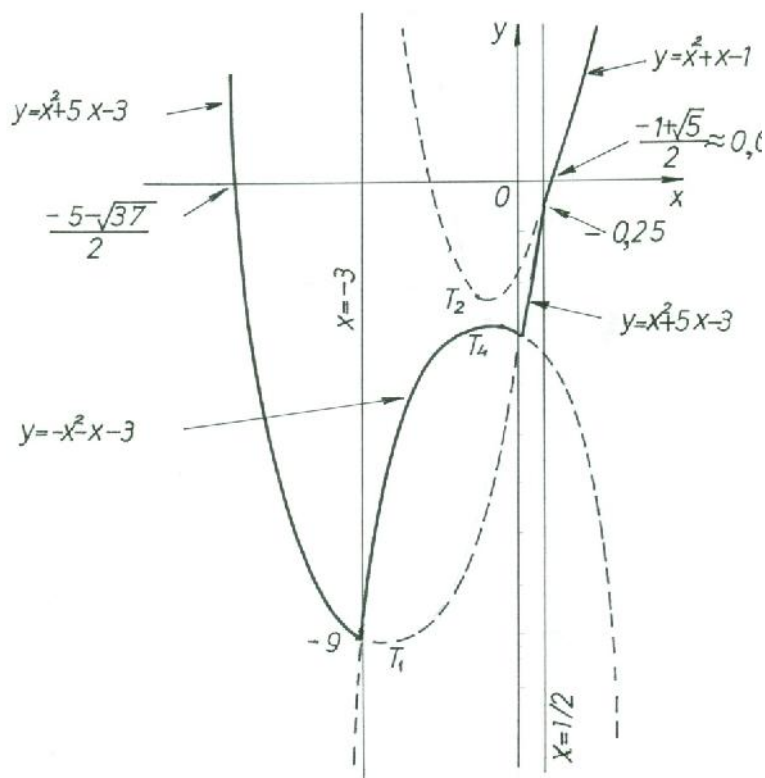
$$x_T = -\frac{b}{2a} = -\frac{1}{2} = -0,5$$

$$y_T = \frac{4a - b^2}{4a} = \frac{4 \cdot 1 - (-1)^2}{4} = \frac{-4 - 1}{4} = -\frac{5}{4} = -1,25 \gg T_4(-0,5; -1,25)$$

4) Konveksnost, konkavnost

Pošto je: $a = 1 > 0$, kriva je konveksna.

Na sledećem crtežu data je skica grafika date funkcije: $y = |x^2 + 3x| - |2x - 1| - 2$



79. $|x| = \{x, x \geq 0; -x, x < 0\}$

I) $x \geq 0$

» $y = |-x^2 - 2x - 4|$