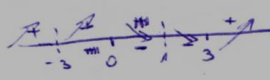


$$\boxed{x=3} \leftarrow \lim_{x \rightarrow 3^+} \frac{6}{-0} = -\infty \quad \lim_{x \rightarrow 3^-} \frac{6}{+0} = +\infty \quad \Rightarrow \quad x \neq -3, 1 \quad \cdot \frac{6}{7} \quad \frac{4,18}{7}$$

$$\boxed{x=1} \leftarrow \lim_{x \rightarrow 1^-} \frac{2}{-0} = -\infty \quad \lim_{x \rightarrow 1^+} \frac{2}{+0} = +\infty$$

$$m = \lim_{x \rightarrow +\infty} \frac{x^2 - 2x + 3}{x(x^2 + 2x - 3)} = 0 \quad n = \lim_{x \rightarrow -\infty} \frac{x^2 - 2x + 3}{x^2 + 2x - 3} = 1 \quad \rightarrow \boxed{y=1}$$

$$y' = \frac{(2x-2)(x^2+2x-3) - (2x+2)(x^2-2x+3)}{(x^2+2x-3)^2} = \frac{x^2 - 12x}{(x^2+2x-3)^2} \xrightarrow{13.17} x=0,3 \quad \frac{3-8}{7}$$



$x < -3, -3 < x < 0, x > 3$ sind
 $0 < x < 1, 1 < x < 3$ sind

max (0, -1)
 min (3, 1/2)

