$$f(x) = \ln\left(\frac{x+3}{1-x}\right),\ x \in \mathcal{D} = (-3,1),$$

$$f'(x) = \frac{4}{(1-x)\,(x+3)},\ f'(x) > 0,\ x \in \mathcal{D},$$

$$f''(x) = 8 \cdot \frac{x+1}{(x-1)^2\,(x+3)^2},\ x \in \mathcal{D},$$

$A(-1,0)$ prevojna tačka grafika f – je

vertikalne asimptote : $x = -3,\ x = 1,$

$$\lim_{x \to 1^-} \ln\left(\frac{3+x}{1-x}\right) = \infty,$$

$$\lim_{x \to -3^+} \ln\left(\frac{3+x}{1-x}\right) = -\infty.$$