

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 6x^3 + x^2 + 4x + 1}{(-x-1)(1-x)}$$

$$\begin{array}{r}
 (-x-1)(1-x) \quad (-3)x^4 + (-6)x^3 + (1)x^2 + (4)x + (1) \\
 \hline
 (-3x^4) \quad + (3x^2) \\
 \quad + (-6)x^3 + (-2)x^2 + (4)x + (1) \\
 \quad + (-6x^3) \quad + (6x) \\
 \quad \quad + (-2)x^2 + (-2)x + (1) \\
 \quad \quad + (-2x^2) \quad + (2) \\
 \quad \quad \quad + (-2x) + (-1)
 \end{array}$$

