

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 12x^3 - 5x^2 + 14x + 2}{(-x-2)(1-x)}$$

$$\begin{array}{r}
 \begin{array}{c} (-x-2)(1-x) \end{array} \quad \begin{array}{c} (-3)x^4 \\ (-3x^4) \end{array} + \begin{array}{c} (-12)x^3 \\ (-3x^3) \end{array} + \begin{array}{c} (-5)x^2 \\ (6x^2) \end{array} + \begin{array}{c} (14)x \\ (-9x^3) \end{array} + \begin{array}{c} (2) \\ (-9x^2) \end{array} \\
 \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} (14)x \\ (-2x^2) \end{array} + \begin{array}{c} (2) \\ (-4)x \end{array} \\
 \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} (18x) \\ (-2x^2) \end{array} \\
 \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} \end{array} + \begin{array}{c} (-2x) \\ (-2x) \end{array} + \begin{array}{c} (2) \\ (-2) \end{array}
 \end{array}$$

