

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 12x^3 + x^2 + 44x + 40}{(-x-3)(2-x)}$$

$$\begin{array}{r}
 \begin{array}{c} (-x-3)(2-x) \end{array} \quad \begin{array}{c} (-3)x^4 \\ (-3x^4) \end{array} + \begin{array}{c} (-12)x^3 \\ (-3x^3) \end{array} + \begin{array}{c} (1)x^2 \\ (18x^2) \end{array} + \begin{array}{c} (44)x \\ (-9x^3) \end{array} + \begin{array}{c} (40) \\ (-17)x^2 \end{array} \\
 \begin{array}{c} (-9x^3) \end{array} + \begin{array}{c} (-9x^2) \end{array} + \begin{array}{c} (54x) \end{array} + \begin{array}{c} (-8)x^2 \end{array} + \begin{array}{c} (-10)x \end{array} + \begin{array}{c} (40) \end{array} \\
 \begin{array}{c} (-8x^2) \end{array} + \begin{array}{c} (-8x) \end{array} + \begin{array}{c} (48) \end{array} + \begin{array}{c} (-2x) \end{array} + \begin{array}{c} (-8) \end{array}
 \end{array}$$

