

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 + 19x^2 + 18x + 6}{(-x-2)(3-x)}$$

$$\begin{array}{rcl}
 & & + (-3x^2) + (-3x) + (-2) \\
 \hline
 (-x-2)(3-x) & (-3)x^4 & + (19)x^2 + (18)x + (6) \\
 & (-3x^4) + (3x^3) + (18x^2) & \\
 & + (-3)x^3 + (1)x^2 + (18)x + (6) & \\
 & + (-3x^3) + (3x^2) + (18x) & \\
 & + (-2)x^2 + (6) & \\
 & + (-2x^2) + (2x) + (12) & \\
 & & + (-2x) + (-6)
 \end{array}$$

