

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 + 6x^3 + 13x^2 - 16x + 6}{(-x-2)(3-x)}$$

$$\begin{array}{r}
 (-x-2)(3-x) \quad (-3)x^4 + (6)x^3 + (13)x^2 + (-16)x + (6) \\
 \hline
 (-3x^4) + (3x^3) + (18x^2) \\
 + (3)x^3 + (-5)x^2 + (-16)x + (6) \\
 + (3x^3) + (-3x^2) + (-18x) \\
 + (-2)x^2 + (2)x + (6) \\
 + (-2x^2) + (2x) + (12) \\
 + (-6)
 \end{array}$$

