

Example: Oblique Non-Linear Asymptote

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

$$\begin{array}{r}
 + (-3x^2) + (3x) + (4) \\
 \hline
 -(-x-3)x \quad (-3)x^4 + (-6)x^3 + (13)x^2 + (16)x + (2) \\
 \quad (-3x^4) + (-9x^3) \\
 + (3)x^3 + (13)x^2 + (16)x + (2) \\
 + (3x^3) + (9x^2) \\
 + (4)x^2 + (16)x + (2) \\
 + (4x^2) + (12x) \\
 + (4x) + (2)
 \end{array}$$

