

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 18x^3 - 35x^2 - 24x - 3}{(-x-2)x}$$

$$\begin{aligned}
 & -(-x-2)x \quad (-3)x^4 \quad + (-18)x^3 \quad + (-35)x^2 \quad + (-24)x \quad + (-3) \\
 & \quad (-3x^4) \quad + (-6x^3) \\
 & \quad \quad + (-12)x^3 \quad + (-35)x^2 \quad + (-24)x \quad + (-3) \\
 & \quad \quad + (-12x^3) \quad + (-24x^2) \\
 & \quad \quad \quad + (-11)x^2 \quad + (-24)x \quad + (-3) \\
 & \quad \quad \quad + (-11x^2) \quad + (-22x) \\
 & \quad \quad \quad \quad + (-2x) \quad + (-3)
 \end{aligned}$$

