

# Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 6x^3 + 25x^2 + 52x + 9}{(-x-2)x}$$

$$\begin{aligned} & -(-x-2)x \quad (-3)x^4 \quad + (-6)x^3 \quad + (25)x^2 \quad + (52)x \quad + (9) \\ & \quad \quad \quad (-3x^4) \quad + (-6x^3) \\ & \quad \quad \quad + (25)x^2 \quad + (52)x \quad + (9) \\ & \quad \quad \quad + (25x^2) \quad + (50x) \\ & \quad \quad \quad \quad \quad + (2x) \quad + (9) \end{aligned}$$

