# Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 3x^3 + 25x^2 + 26x - 3}{(-x-3)(-x-1)}$$

|  |  |  |  | $+(\boxed{-3x^2})$ | $+(\boxed{9x})$ | $+(\boxed{-2})$ |
|---|---|---|---|---|---|---|
| $(-x-3)(-x-1)$ | $(-3)x^4$ | $+(-3)x^3$ | $+(25)x^2$ | $+(26)x$ | $+(-3)$ | |
| | $(-3x^4)$ | $+(-12x^3)$ | $+(-9x^2)$ | | | |
| | | $+(9)x^3$ | $+(34)x^2$ | $+(26)x$ | $+(-3)$ | |
| | | $+(9x^3)$ | $+(36x^2)$ | $+(27x)$ | | |
| | | | $+(-2)x^2$ | $+(-1)x$ | $+(-3)$ | |
| | | | $+(-2x^2)$ | $+(-8x)$ | $+(-6)$ | |
| | | | | $+(7x)$ | $+(3)$ | |