

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 9x^3 + 10x^2 + 33x + 6}{(-x-3)(2-x)}$$

$$+ (-3x^2) + (-6x) + (-2)$$

$$(-x-3)(2-x) \quad (-3)x^4 + (-9)x^3 + (10)x^2 + (33)x + (6)$$

$$(-3x^4) + (-3x^3) + (18x^2)$$

$$+ (-6)x^3 + (-8)x^2 + (33)x + (6)$$

$$+ (-6x^3) + (-6x^2) + (36x)$$

$$+ (-2)x^2 + (-3)x + (6)$$

$$+ (-2x^2) + (-2x) + (12)$$

$$+ (-x) + (-6)$$

