

# Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 3x^3 + 31x^2 + 26x - 43}{(-x-3)(3-x)}$$

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

$$(-x-3)(3-x) \quad (-3)x^4 + (-3)x^3 + (31)x^2 + (26)x + (-43)$$

$$(-3x^4) + (27x^2)$$

$$+ (-3)x^3 + (4)x^2 + (26)x + (-43)$$

$$+ (-3x^3) + (27x)$$

$$+ (4)x^2 + (-1)x + (-43)$$

$$+ (4x^2) + (-36)$$

$$+ (-x) + (-7)$$

