

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 6x^3 + x^2 + 4x + 2}{(-x-1)x}$$

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

$$-(-x-1)x \quad (-3)x^4 + (-6)x^3 + (1)x^2 + (4)x + (2)$$

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

$$+ (-3)x^3 + (1)x^2 + (4)x + (2)$$

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

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

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

$$+ (2)$$

