

Example: Oblique Non-Linear Asymptote

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

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

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

$$(-3x^4) + (-9x^3) + (-6x^2)$$

$$+ (3)x^3 + (7)x^2 + (4)x + (-2)$$

$$+ (3x^3) + (9x^2) + (6x)$$

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

$$+ (-2x^2) + (-6x) + (-4)$$

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

