

# Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 9x^3 + 19x^2 + 78x + 51}{(-x-3)(-x-2)}$$

$$+ (-3x^2) + (6x) + (7)$$

$$(-x-3)(-x-2) \quad (-3)x^4 + (-9)x^3 + (19)x^2 + (78)x + (51)$$

$$(-3x^4) + (-15x^3) + (-18x^2)$$

$$+ (6)x^3 + (37)x^2 + (78)x + (51)$$

$$+ (6x^3) + (30x^2) + (36x)$$

$$+ (7)x^2 + (42)x + (51)$$

$$+ (7x^2) + (35x) + (42)$$

$$+ (7x) + (9)$$

