

# Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 - 12x^3 - 5x^2 + 14x + 3}{(-x-2)x}$$

$$\begin{aligned}
 & -(-x-2)x \quad (-3)x^4 + (-12)x^3 + (-5)x^2 + (14)x + (3) \\
 & \quad (-3x^4) + (-6x^3) \\
 & \quad \quad + (-6)x^3 + (-5)x^2 + (14)x + (3) \\
 & \quad \quad + (-6x^3) + (-12x^2) \\
 & \quad \quad \quad + (7)x^2 + (14)x + (3) \\
 & \quad \quad \quad + (7x^2) + (14x) \\
 & \quad \quad \quad \quad + (3)
 \end{aligned}$$

