

# Example: Oblique Non-Linear Asymptote

$$- \frac{-3x^4 + 9x^3 + x^2 - 6x + 3}{(1-x)x}$$

$$\begin{array}{r}
 + (-3x^2) + (6x) + (7) \\
 \hline
 -(1-x)x \quad (-3)x^4 + (9)x^3 + (1)x^2 + (-6)x + (3) \\
 \quad (-3x^4) + (3x^3) \\
 \quad \quad + (6)x^3 + (1)x^2 + (-6)x + (3) \\
 \quad \quad + (6x^3) + (-6x^2) \\
 \quad \quad \quad + (7)x^2 + (-6)x + (3) \\
 \quad \quad \quad + (7x^2) + (-7x) \\
 \quad \quad \quad \quad + (x) + (3)
 \end{array}$$

