

### Example: Oblique Non-Linear Asymptote

$$= \frac{-3x^4 + 19x^2 + 18x - 2}{(3-x)x}$$

$$\begin{array}{r}
 + (-3x^2) + (-9x) + (-8) \\
 \hline
 -(3-x)x \quad (-3)x^4 \quad + (19)x^2 \quad + (18)x \quad + (-2) \\
 \quad (-3x^4) + (9x^3) \\
 \quad \quad + (-9)x^3 \quad + (19)x^2 \quad + (18)x \quad + (-2) \\
 \quad \quad + (-9x^3) + (27x^2) \\
 \quad \quad \quad + (-8)x^2 \quad + (18)x \quad + (-2) \\
 \quad \quad \quad + (-8x^2) + (24x) \\
 \quad \quad \quad \quad + (-6x) + (-2)
 \end{array}$$

