

Example: Oblique Non-Linear Asymptote

$$\frac{-3x^4 + 37x^2 - 120}{(-x-3)(-x-2)}$$

$$\begin{array}{r}
 (-x-3)(-x-2) \quad (-3)x^4 \quad + (-3x^2) \quad + (15x) \quad + (-20) \\
 \hline
 (-3x^4) + (-15x^3) + (-18x^2) \quad + (37)x^2 \quad + (-120) \\
 + (15)x^3 \quad + (55)x^2 \quad + (-120) \\
 + (15x^3) \quad + (75x^2) \quad + (90x) \\
 + (-20)x^2 \quad + (-90)x \quad + (-120) \\
 + (-20x^2) \quad + (-100x) \quad + (-120) \\
 + (10x)
 \end{array}$$

