Rational Polynomials: Graphing and Asymptotes Find the intercepts, if there are any. Step 1: Set the numerator to 0 to solve for horizontal intercepts. Step 2: Set the x to 0 to solve for vertical intercept.

Step 2: Set the x to 0 to solve for vertical intercept.
Step 3: Set the denominator to 0 to solve for vertical asymptotes.
Step 4: Perform a long division to find the quotient which specifies the oblique asymptote.

Note: Blue curve the actual Rational function.

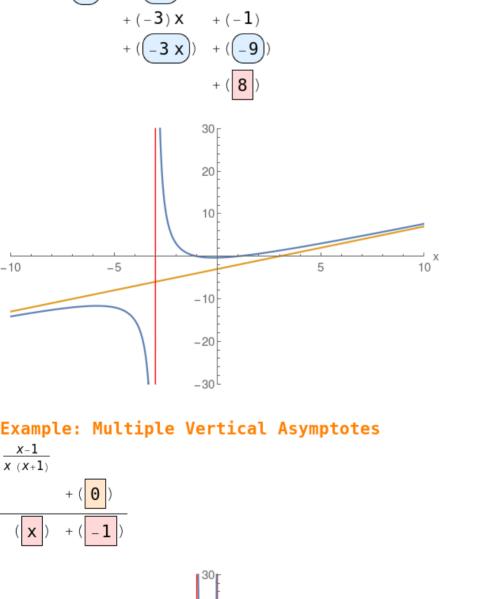
Red and Gold asymptotes.

Example: Horizontal Asymptote $\frac{2x-4}{3x-1}$

 $\frac{(x-1) (x+1)}{x+3}$

X + 3

 $(1)\overline{x^2}$



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