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

intercepts.
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.

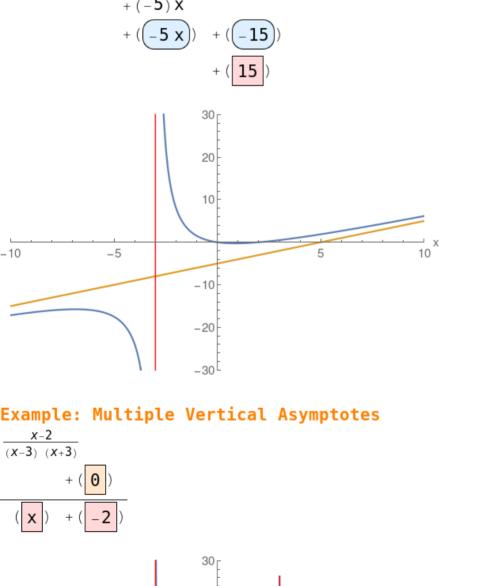
Example: Horizontal Asymptote $\frac{x-2}{4x-3} + (\boxed{\frac{1}{4}})$

 $(1) x^2 + (-2) x$

x + 3

-10

-5



20

10

-10

-20

-30[[]

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