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

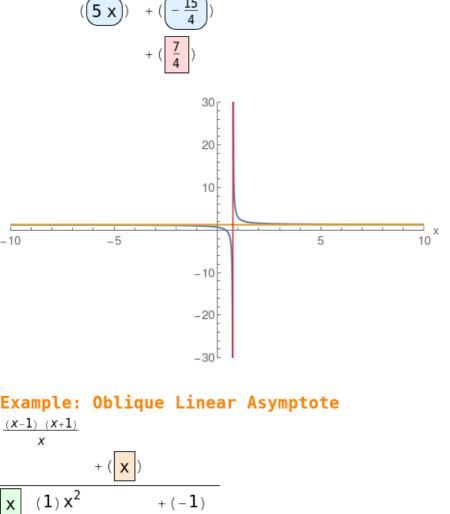
intercepts.
Step 2: Set the x to 0 to solve for vertical intercept.
Step 3: Set the denominator to 0 to solve for vertical
asymptotes.
Step 4: Perform a long division to find the quotient which

specifies the oblique asymptote.

Note: Blue curve the actual Rational function.

Red and Gold asymptotes.

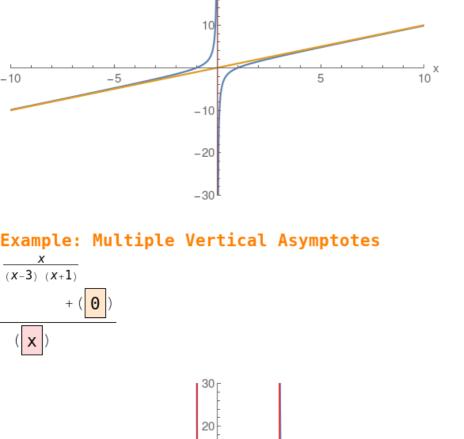
Example: Horizontal Asymptote $\frac{5 \times 2}{4 \times 3}$ $+ (\frac{5}{4})$ $4 \times 3 (5) \times + (-2)$ $(5 \times) + (\frac{15}{4})$ $+ (\frac{7}{4})$



+ (-1)

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