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 2x-5

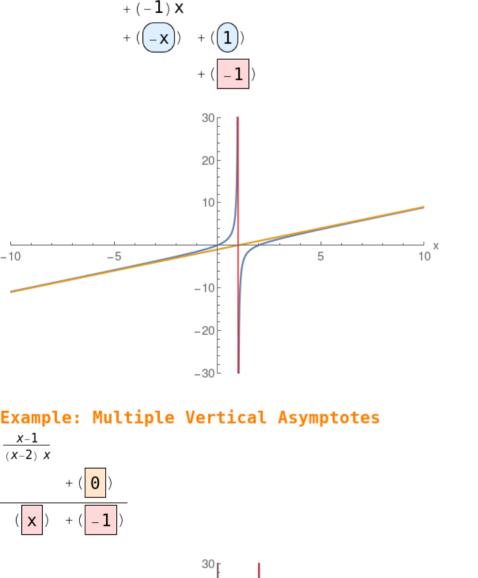
3x-4

 $(1) x^2$

x - 1

-10

-5



20

10

-10

-20

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5