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 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.

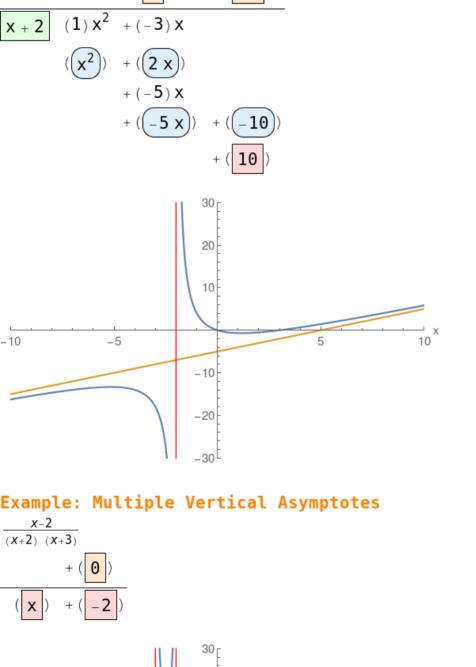
Note: Blue curve the actual Rational function. Red and Gold asymptotes. Example: Horizontal Asymptote

(1) x + (-2)5 x - 330 20 10 10 X -10 -5 -10 -30 Example: Oblique Linear Asymptote (x-3) X

5x-3

x + 2

-10



20

10

-10

-20

-30