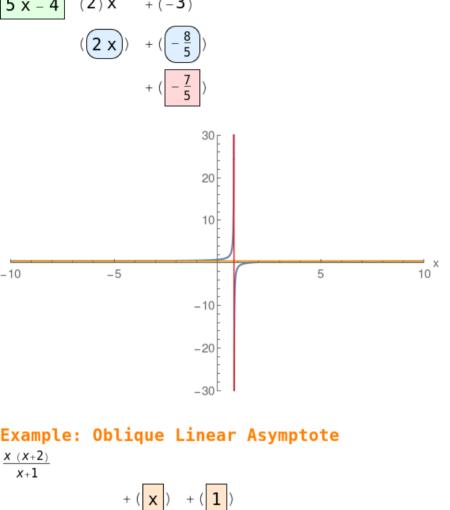
## Rational Polynomials: Graphing and Asymptotes Find the intercepts, if there are any. Step 1: Set the numerator to 0 to solve for horizontal intercepts.

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

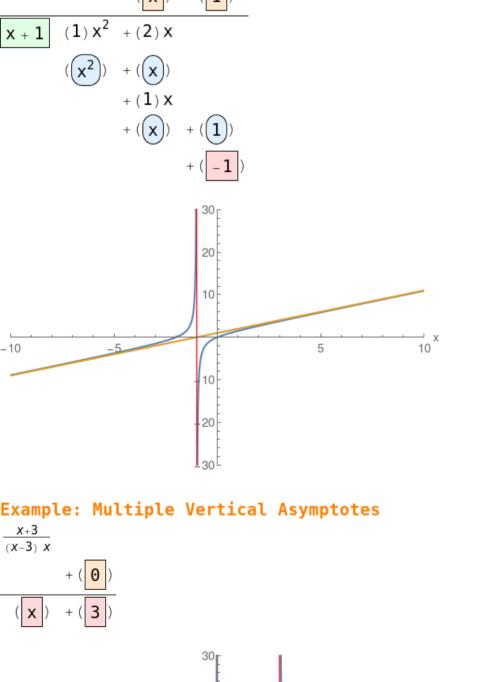
5x-45 x - 4 (2)x



x + 1

-10

-5



20

-10

-20

-30