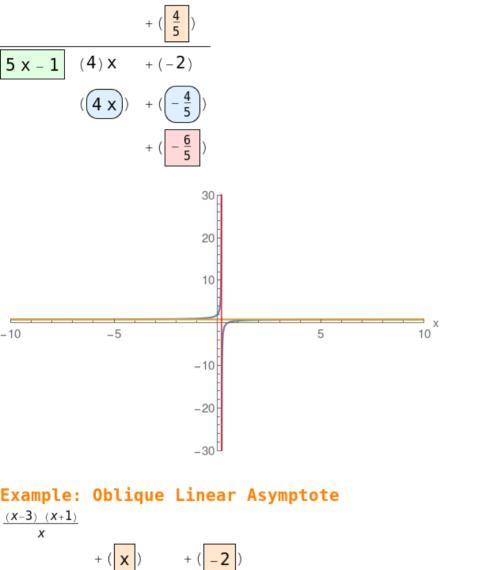
## Rational Polynomials: Graphing and Asymptotes Find the intercepts, if there are any. Step 1: Set the numerator to 0 to solve for horizontal intercepts. Step 2: Set the x to 0 to solve for vertical intercept. Step 3: Set the denominator to 0 to solve for vertical asymptotes. Step 4: Perform a long division to find the quotient which

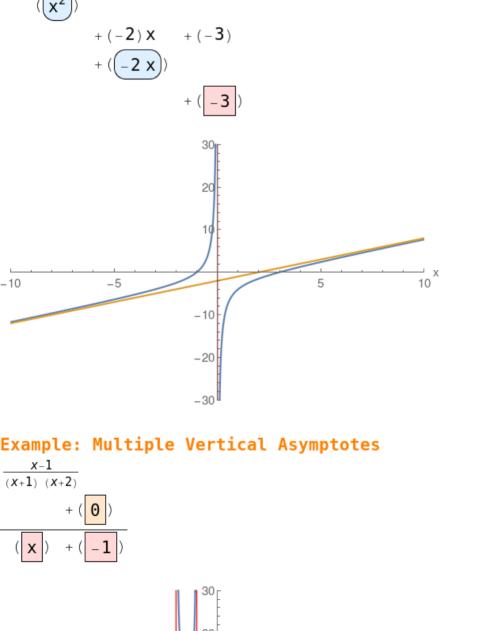
Note: Blue curve the actual Rational function.

Red and Gold asymptotes.

Example: Horizontal Asymptote  $\frac{4 \times -2}{5 \times -1}$ 

specifies the oblique asymptote.





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