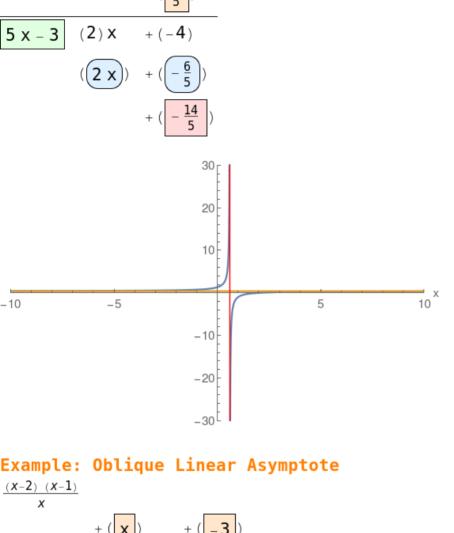
Rational Polynomials: Graphing and Asymptotes Find the intercepts, if there are any. Step 1: Set the numerator to 0 to solve for horizontal intercepts. Step 2: Set the x to 0 to solve for vertical intercept. Step 3: Set the denominator to 0 to solve for vertical asymptotes. Step 4: Perform a long division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

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

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



 $(1) \overline{x^2}$

-10

-5

-10

-30

