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.

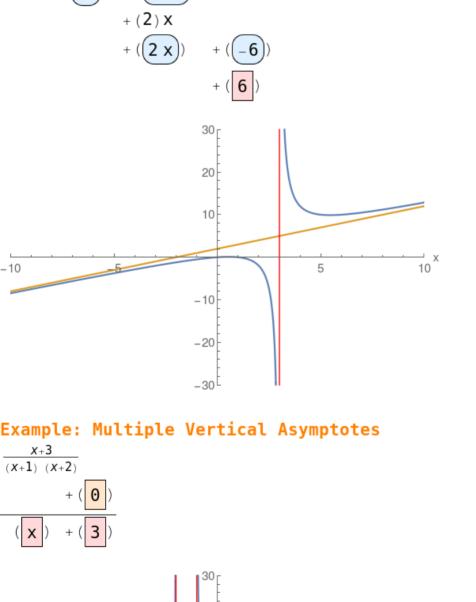
Step 2: Set the x to 0 to solve for vertical intercept.
Step 3: Set the denominator to 0 to solve for vertical
asymptotes.
Step 4: Perform a long division to find the quotient which
specifies the oblique asymptote.

Note: Blue curve the actual Rational function. Red and Gold asymptotes. Example: Horizontal Asymptote $\frac{3 \times -5}{4 \times -2}$

 $(1) x^2$

x - 3

-10



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