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

intercepts.

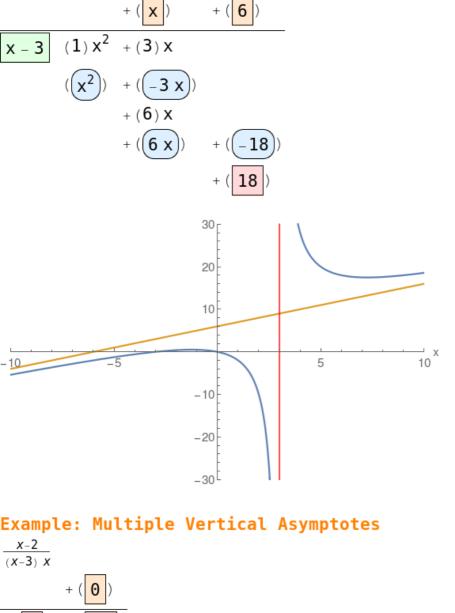
Step 2: Set the numerator to 0 to solve for norizontal intercept.

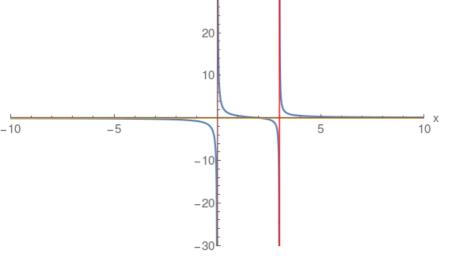
Step 3: Set the x to 0 to solve for vertical intercept.

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 $\frac{4 \times -1}{2 \times -5}$





30