Y-intercepts of a Rational Function:

Replace x with zero

Ratio of the Constants

X-intercepts of a Rational Function:

Replace y with zero

The zeros of the numerator (unless they are also zeros of the denominator)

What a graph does when it approaches a Vertical Asymptote:



Let's put this all together. Graph the following Rational Function showing:

- All asymptotes as dashed lines
- X & Y-intercepts, if any
- Correct behavior around each asymptote.









