9-3 Graphing Rational Functions
A Rational Function is in the form of $f(x)=\frac{p(x)}{q(x)}=$ polynomial $q(x)$ polynomial

Their graphs may have breaks in continuity such as asymptote or hole in the graph.
See page 485 and 486.
I. Determine the equations of any vertical asymptotes and the values of x for any holes in the graph.


in the denominator cancels with a factor inthenumerator, there is a hole in the graph. If it does not cancel, there is avertical asymptote.


